

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

(The following chart shows illustrative essential claims for each patent. Other claims may also be essential and/or other portions of the Standard may be covered.)

Ctry.	Patent	CI	Standards / Sections
AT	2,357,715	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46
AT	2,375,532	7	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
AT	2,403,100	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30
AT	2,446,600	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
AT	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
AT	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
AT	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40
AT	2,909,917	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2

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Ctry.	Patent	CI	Standards / Sections
AT	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
AT	3,487,028	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2</p>
AT	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
AT	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12  Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>

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Ctry.	Patent	CI	Standards / Sections
AT	4,221,094	6	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
AT	4,250,524	11	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
BE	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
BE	2,375,532	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
BE	2,403,100	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30</p>
BE	2,446,600	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25</p>
BE	2,689,512	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2</p>
BE	2,867,997	17	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11</p>

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BE	2,880,736	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Introduction: Sec. 3, Fig. 6  Glossary: Sec. 1  Communications Physical Layer: Sec. 2  Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3, Fig. 6  Glossary: Sec. 1  Communications Physical Layer: Sec. 2  Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p>
BE	2,909,917	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32  Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12  Power Delivery: Sec. 2, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32  Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12  Power Delivery: Sec. 2, Fig. 2</p>
BE	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Object Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Object Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
BE	3,487,028	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2</p>
BE	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>

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Ctry.	Patent	CI	Standards / Sections
BE	4,044,401	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Glossary: Sec. 2  Introduction: Secs. 3.1, 4.2  NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6  Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p> <p>Qi Specification v.2.0 (Apr. 2023)  Glossary: Sec. 2  Introduction: Secs. 3.1, 4.2  NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5  Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p>
BE	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
BE	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
BE	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>

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Ctry.	Patent	CI	Standards / Sections
BG	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
BG	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
BG	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
BG	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>

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BG	4,250,524	11	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
CH	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
CH	2,375,532	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
CH	2,403,100	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30</p>
CH	2,446,600	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25</p>
CH	2,689,512	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2</p>
CH	2,867,997	17	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11</p>
CH	2,880,736	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p>
CH	2,909,917	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
CH	3,487,028	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2
CH	4,138,309	4	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47
CN	100479292	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34
CN	100511913	4	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.1.1, 5.2.1, 5.2.3.3, 5.3.1, 5.3.6, Fig. 17, Table 30 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.4, 2.2.6, 2.2.10, 2.2.27, Figs. 27, 30
CN	101115343	67	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, Fig. 17 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Figs. 27, 30
CN	101447683	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 5.3, Figs. 2, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 5.1.2.2, 5.1.2.3, 5.2, 5.2.1, Fig. 7, Annex B.2, B.2.1, B.2.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.2.2, 2.3.1.3, 2.3.2.3, 2.3.3.3, 2.3.5.3, 2.3.6.3, Figs. 6, 141(c) (see also, Figs. 24, 67, 76, 107, 124, 130, 131, 137, 141, 145, 146, 152, 159, 166, 173), 170
CN	101588075	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.2.3, 5.1.3.6, 5.2.3.3, 5.2.3.4, 5.2.3.8, Fig. 17, Tables 30, 34, 35, 36 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.11, 2.2.11.1, Fig. 31
CN	101789636	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, 5.1.2, 5.1.2.1, 5.1.2.3, 5.1.2.3.1, 5.1.2.6, 5.1.2.6.1, 10, 10.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.3.6, 2.3.6.2, 2.3.6.3, Figs. 178, 180
CN	101828320	4	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 5.1.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.3, 2.2.13, 2.2.13.1.1, 2.2.13.1.2, Figs. 39, 41, 42
CN	101836272	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1.1, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, 2.3.1, 2.3.1.1.1, 3.1, 3.1.2, Figs. 30, 150, 151, 153, 251
CN	102208921	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 2.3, 4, 4.1, 5, 5.1, Figs. 4, 5, 12, 13 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, Fig. 3 Communications Protocol: Secs. 2.3, 4, 4.1, 5, 5.1, Figs. 4, 5, 12, 13
CN	102280919	12	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 3.2.4, 5.1.1, 5.1.2.6, 5.1.3.6, 5.2, 5.2.1, 5.2.2, 5.2.3.4 Figs. 10, 17, Tables 26, 31 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2.2, Fig. 6
CN	102355037	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, Figs. 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 2.2, 3.1.1, 4.2, 5.1.1, 5.1.2.2, 5.1.2.3, 5.1.2.6, 5.2.3.2, 5.2.3.5, 9, 10, Figs. 10, 16, 44, Tables 28, 29, 32, 35, 63 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.3.1.3, 2.3.6.3, Figs. 3, 141(c) (see also, Figs. 24, 67, 76, 107, 124, 130, 131, 137, 141, 145, 146, 152, 159, 166, 173)

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Ctry.	Patent	CI	Standards / Sections
CN	102449874	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.1, 10, 10.2, Annex B The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.6, Fig. 15
CN	102596632	1	Qi Specification, V.1.3.1 (Aug. 2021) Glossary: Sec. 1 Introduction: Secs. 3.1, 4.5 Communications Protocol: Secs. 3, 8.11, 8.13, Table 29 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 1 Introduction: Secs. 3.1, 4.5 Communications Protocol: Secs. 3, 8.11, 8.13, Table 29
CN	102804542	1	Qi Specification Parts 1 and 2 Interface Definitions v.1.2.4: Secs. 1.3, 1.5 References Designs: v.1.2.4: Secs. 2.2.23, and 2.2.23.2; Figs. 88, 91
CN	102804728	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
CN	102823101	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 2.1, 2.1.1, 3.1, 5.1.1.1, 5.1.2.6.1, 5.1.3.6, 5.1.5, 5.2.3.4, 11.1, 11.4, 11.4.1, Figs. 3, 4, Table 31 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.1.3, 2.2.10.2, Figs. 27, 29, 30
CN	102918748	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 2, 3.1, 4.2, Fig. 2 Communications Protocol: Sec. 8.1, Table 22 Power Delivery: Secs. 3, 3.1, 10 Power Receiver Design Examples: Sec. 2.2 Power Transmitter Reference Designs: Secs. 10, 10.2, Fig. 25 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 2, 3.1, 4.2, Fig. 2 Communications Protocol: Sec. 8.1, Table 22 Power Delivery: Secs. 3, 3.1, 10 Power Receiver Design Examples: Sec. 2.2 Power Transmitter Reference Designs: Secs. 10, 10.2, Fig. 13
CN	103155337	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.3.4.2.2, 5.2.3.7, 5.2.3.12, 5.3, 5.3.2.1, Tables 13, 34, 43, 54 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.4, Fig. 10
CN	103176215	1	Qi Specification v.2.0 (Apr. 2023) Foreign Object Detection: Secs. 4, 4.1; Annex B, B.2.1; Fig. 19 Glossary: Sec. 1
CN	103178593	1, 5	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, 5.1.2.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.2, 5.1.3.3, 5.1.3.6, 5.2.1, 5.2.3.3, 5.2.3.5, 5.2.3.8
CN	103296784	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.1.1, 5.1.2.2, 9, 10, 10.1, 11.1, Fig. 19, Annex B
CN	103457363	51	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 3.1.1, 5.1.3, Fig. 6, Annex B.3

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Ctry.	Patent	CI	Standards / Sections
CN	103502845	1	Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 4, 4.1, 4.1.1-4.1.3; Figs. 4, 5 Communications Physical Layer: Sec. 3 Power Delivery: Secs. 2, 5.1; Fig. 2 Foreign Object Detection: Secs. 4, 4.2, 4.2.1; Annex B, B.1; Fig. 5 Glossary: Sec. 1
CN	103545937	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 3.1, 3.1.1, 5.1.1, 5.1.2, 5.1.3, 5.1.3.1-5.1.3.7, 5.2.3.3, 11.3, 11.4.2, 11.5, Figs. 4, 48, Table 64, Annex B
CN	103688442	9	Qi Specification v.2.0 (Apr. 2023) Power Delivery: Sec. 2; Fig. 2 Foreign Object Detection: Secs. 4, 4.1, 4.2, 4.2.1; Figs. 3, 5, 19; Annex B MPP System Specification: Secs. 1.1, 1.1.4, 1.2, 1.2.1, 4.3, 4.3.1, 4.3.1.2, 4.6, 4.6.1; Figs. 5.3.1:36 and 5.6.1:38; Table 5.3.1.2:17
CN	103765728	19	Qi Specification v.2.0 (Apr. 2023) Power Delivery: Sec. 2; Fig. 2 Foreign Object Detection: Secs. 4.2, 4.2.1-4.2.3 MPP Communications Protocol: Sec. 7.2.4
CN	103858310	1, 8	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 3, 3.1, 3.1.4, 3.1.6, 5.1, 5.2, 5.2.2.1, Figs. 4, 5, 16, 18
CN	103887846	1, 6, 7	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 4.3, 4.6, Figs. 4, 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.2, 1.3, 1.5, 2.1, 2.1.1, 3.1.1, 3.1.2, 5.1.1.1, 11, Figs 3, 7 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.2, 2.2.3, 2.2.6, 2.2.7, 2.2.10, 2.2.11, 2.2.13, 2.2.15-2.2.28, 2.2.29-2.2.34, 2.3.1-2.3.7, 2.4.1-2.4.12, 3.1-3.4
CN	104104154	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3; Fig. 3 Power Delivery: Secs. 2, 3; Figs. 2, 3 MPP System Specification: Secs. 4.6.2.7, 4.9.2.2, 5.3.1.2; Figs. 6.3.2.1:67 and 6.3.2.1:68
CN	104365028	1	Qi Specification v.2.0 (Apr. 2023) Power Delivery: Secs. 2, 3, 6; Fig. 2 Communications Protocol: Secs. 2.1, 4.2, 6, 6.3, 6.6, 6.6.1, 8.9; Figs. 21, 22 Foreign Object Detection: Secs. 4.2, 4.2.1-4.2.3, 5, 5.1, 5.2
CN	104412517	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.2.4, 5.1.3.2, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2, 5.2.2.1, 5.3, 5.3.1, 5.3.2, 5.3.2.1, Figs. 16, 21, 24, 30, Table 11
CN	104521105	1	Qi Specification, v.2.0 (Apr. 2023) Communications Protocol: Secs. 4, 5; Figs. 4, 11 MPP Communications Protocol: Secs. 2.2.2, 2.3.3, 7.1.20; Figs. 2.1, 2.2, 2.3, 2.9, 7.20; Table 2.1 Power Delivery: Secs. 15, 15.1; Fig. 18
CN	104600869	106	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1.2, 2.1, 5, 6.2, 6.6.5.6, 7, 7.3.7, 8.18.3, 9.4, Figs. 2, 4, 11, 28, 68, Tables 38, 47 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 2.1, 5, 6.2, 6.6.5.6, 7, 7.3.7, 8.18.3, 9.4, Figs. 2, 4, 11, 28, 68, Tables 38, 47
CN	104704710	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.2.6, 5.1.4, 11.1, 11.4, 11.4.1, 11.4.3, 11.4.3.1, 11.4.3.2, Figs. 23, 24(e), 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27 and 30
CN	104937683	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 3.1.8, 5.1.3.6, Fig. 33, Table 23 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 3.5.1.2, Fig. 263

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Ctry.	Patent	CI	Standards / Sections
CN	105006895	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2.1, 5.1.2.2, 5.1.3, 5.1.3.2, 10, 10.1, 10.2, Figs. 18, 44, Table 63, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Fig. 27
CN	105281444	1	Qi Specification v.1.3.1 Introduction: Secs. 3, 3.1 Communications Protocol: Secs. 1, 1.6, 4, 4.2.1, 4.2.2, 5, 7, 8.5; Figs. 4, 11; Tables 3, 22 PTx Reference Designs: Secs. 47, 47.2 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3, 3.1 Communications Protocol: Secs. 1, 1.6, 4, 4.2.1, 4.2.2, 5, 7, 8.5; Figs. 4, 11, Tables 3, 22 PTx Reference Designs: Secs. 48, 48.2
CN	105914900	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 4 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.2.6, 5.2.1, 5.2.3.5, 10, 10.1, 11.3, Figs. 19, 44, Tables 11, 32, 63
CN	106160269	1	Qi Specification v.1.3.1 Power Delivery: Secs. 14, 15.2 Foreign Object Detection: Secs. 4, 4.1 PTx Reference Designs: Secs. 2.2, 40.1.1, 40.2, 40.2.1; Figs. 140, 142, 143; Table 97 Qi Specification v.2.0 (Apr. 2023) Power Delivery: Secs. 14, 15.2 Foreign Object Detection: Secs. 4, 4.2 PTx Reference Designs: Secs. 2.2, 40.1.1, 40.2, 40.2.1; Figs. 91, 93, 94; Table 68
CN	106300445	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3, 3.1 Communications Protocol: Sec. 2.1; Fig. 2 Power Delivery: Sec. 2; Fig. 2 Foreign Object Detection: Secs. 4.2, 4.2.1, 4.2.2, 4.2.3; Fig. 5 PTx Reference Designs: Sec. 8; Fig. 2 Glossary: Sec. 1
CN	106463973	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 5.1.1.1, 5.1.2.5, 5.1.3.5, 5.1.4, 11.1, 11.3.2, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Fig. 27
CN	106575885	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3, Figs. 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 3.2.4, 11.3, Annexes B.4, B.4.1, B.4.2, C.2
CN	106716780	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.6, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, 5.2.3.8, 5.3.3.3, Annex B, B.2, B.2.2, The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.3, 2.3.1
CN	106953427	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3; Fig. 3 Communications Protocol: Secs. 2.1, 4, 6.6, 6.6.4, 8.9; Figs. 2, 4, 22; Table 27 Power Delivery: Secs. 3, 3.6, 10; Figs. 4, 11 Foreign Object Detection: Secs. 4.2, 4.2.1, 4.2.3; Fig. 5 Glossary: Sec. 1

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Ctry.	Patent	CI	Standards / Sections
CN	106981930	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1, Fig. 6  Commination's Physical Layer: Sec. 2, 2.1  Communications Protocol: Sec. 4  Power Delivery: Secs. 15.2, 16.1, 16.1.1  Power Receiver Design Examples: Sec. 2.2  Power Transmitter Reference Designs: Secs. 10, 10.2  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1, Fig. 3  Communications Physical Layer: Sec. 2, 2.1  Communications Protocol: Sec. 4  Power Delivery: Secs. 15.2, 16.1, 16.1.1  Power Receiver Design Examples: Sec. 2.2  Power Transmitter Reference Designs: Secs. 10, 10.2</p>
CN	107438934	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1  PTx Reference Designs: Secs. 51, 51.1, 51.1.1; Figs. 203-205; Tables 138, 139  Glossary: Sec. 1  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1  PTx Reference Designs: Secs. 52, 52.1, 52.1.1; Figs. 109-111; Tables 86, 87  Glossary: Sec. 1</p>
CN	107482791	1	<p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 2.1, 6, 6.3, 8.9; Fig. 21; Table 27  Power Delivery: Secs. 2, 3, 3.6; Figs. 2-4  Foreign Objection Detection: Sec. 4.2.2; Annex A; Fig. 17  MPP System Specification: Sec. 5.1; Fig. 6.3.2.1:67  Communications Physical Layer: Sec. 2  PTx Reference Designs: Secs. 2.2, 3.2, 4.2, 5.2, and 6.2; Figs. 4, 8, 11, 14, 17</p>
CN	108233498	9	<p>Qi Specification v.1.3.1 (Aug. 2021)  Introduction: Secs. 2, 3, 3.1  Communications Protocol: Secs. 4.2.1, 7, 7.3.4, 7.3.7, 8.7, 8.15; Fig. 6  Power Delivery: Secs. 2, 15; Fig. 2  PTx Reference Designs: Secs. 54(MP-A9), 54.1.2; Figs. 221, 224  Mechanical, Thermal, and User Interference: Secs. 3.1  Foreign Object Detection: Secs. 2, 3, 5.1  Glossary: Sec. 1  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 2, 3, 3.1  Communications Protocol: Secs. 4.2.1, 7, 7.3.4, 7.3.7, 8.7, 8.15; Fig. 6  Power Delivery: Secs. 2, 15; Fig. 2  PTx Reference Designs: Secs. 55(MP-A9), 55.1.2; Figs. 113, 116  Mechanical, Thermal, and User Interference: Secs. 3.1  Foreign Object Detection: Sec. 2, 3, 5.1  Glossary: Sec. 1</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
CN	109463026	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1  Glossary: Sec. 1  Power Delivery: Secs. 15, 16.1  Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 7, 8, 8.6, 8.15, 8.16, 8.18.3, 9.4; Figs. 2, 4, 28; Tables 23, 38, 47</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1  Glossary: Sec. 1  Power Delivery: Secs. 15, 16.1  Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 7, 8, 8.6, 8.15, 8.16, 8.18.3, 9.4; Figs. 2, 4, 28; Tables 23, 38, 47</p>
CN	110098655	24, 35	<p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Sec. 8.7  Power Delivery: Secs. 2, 3.6, 10; Figs. 2, 4  Foreign Objection Detection: Sec. 4.2.2  MPP System Specification: Secs. 4.7, 4.7.1, 4.7.1.1, 4.9.2.2, 4.10.2.1.1; Fig. 6.3.2.1:67</p>
CN	110474443	1	<p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1  Communications Protocol: Secs 4, 6, 6.3, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 8.9; Figs. 2, 4, 22  Power Delivery: Sec. 2  Foreign Objection Detection: Secs. 4, 4.2, 4.2.1-4.2.4; Fig. 5  PTx Reference Designs: Secs. 47, 47.2, 48.2, 49.2, 52.2, 55.2, 56.2, 59.2; Fig. 95  Glossary: Sec. 1</p>
CN	110476362	6	<p>Qi Specification v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 2.2, 2.2.1, 6.6.5.6, 7, 8, 8.6, 8.15, 9.4; Figs. 3, 28; Tables 5, 32, 47</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 2.2, 2.2.1, 6.6.5.6, 7, 8, 8.6, 8.15, 9.4; Figs. 3, 28; Tables 5, 32, 47</p>
CN	110622392	6	<p>Qi Specification v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 6.6.5.6, 7, 7.1.3, 7.2, 7.2.1, 7.2.4.2, 8, 8.6, 8.15; Figs. 28, 46, 51; Tables 23, 32  PTx Reference Designs: Sec. 46; Fig. 180</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 6.6.5.6, 7, 7.1.3, 7.2, 7.2.1, 7.2.4.2, 8, 8.6, 8.15; Figs. 28, 46, 51; Tables 23, 32  PTx Reference Designs: Sec. 47; Fig. 95</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
CN	111989842	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1; Fig. 6  Glossary: Sec. 1  Power Delivery: Sec. 3; Fig. 4  Communications Protocol: Secs. 17, 8.15; Table 32  Foreign Object Detection: Secs. 5.2.2, 5.2.3; Fig. 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1; Fig. 3  Glossary: Sec. 1  Power Delivery: Sec. 3; Fig. 4  Communications Protocol: Secs. 17, 8.15; Table 32  Foreign Object Detection: Secs. 5.2.2, 5.2.3; Fig. 13</p>
CN	112913109	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1  Glossary: Sec. 1  Power Delivery: Sec. 3; Fig. 4  Communications Protocol: Secs. 1.5.1, 5, 6, 7, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 11, 21, 46; Tables: 18, 19, 21, 44, 45, 47</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1  Glossary: Sec. 1  Power Delivery: Sec. 3; Fig. 4  Communications Protocol: Secs. 1.5.1, 5, 6, 7, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 11, 21, 46; Tables: 18, 19, 21, 44, 45, 47</p>
CN	113489172	1	<p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1  Power Delivery: Sec. 3; Fig. 4  Communications Protocol: Secs. 2.1, 4, 4.1, 5, 5.1, 5.1.1-5.1.5, 6, 8, 8.4, 8.10, 8.11, 9.4; Figs. 2, 4, 5, 11, 12, 21; Tables: 21, 47  Authentication Protocol: Secs. 4, 4.2, 7, 7.1; Fig. 2  Glossary: Secs. 1, 2</p>
CN	113785469	1	<p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  NFC Tag Protection: Secs. 2.1, 2.1.1, 3, 4; Table 5  Communications Protocol: Secs. 6, 9.5; Fig. 21; Table 48  Glossary: Sec. 1</p>
CN	114744975	1	<p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Power Delivery: Secs. 3, 3.1, 3.2, 3.3, 3.4, 3.7; Fig. 5  Foreign Object Detection: Secs. 4, 4.2, 4.2.1-4.2.4; Fig. 5  PTx Design Examples: Secs. 2, 2.1.1, 2.1.2, 2.2; Figs. 2-4  Glossary: Sec. 1</p>
CN	115347688	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 1.2, 8.9; Tables 2, 27  Foreign Object Detection: Secs. 4.1.2, 4.1.3, 4.1.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 1.2, 8.9; Tables 2, 27  Foreign Object Detection: Secs. 4.2.2, 4.2.3, 4.2.4</p>
CN	116599549	1	<p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  NFC Tag Protection: Secs. 2, 2.1, 3, 4; Table 5  Communications Protocol: Secs. 5, 6, 8.11; 9.5; Figs. 11, 21; Tables 29, 48</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
CZ	2,375,532	7	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
CZ	2,403,100	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30
CZ	2,446,600	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
CZ	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
CZ	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.2.4, 5.1.3.2, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
CZ	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40
CZ	2,909,917	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2
CZ	3,487,028	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2
CZ	4,044,401	1	Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22

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Ctry.	Patent	CI	Standards / Sections
CZ	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3.1; Fig. 6 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
CZ	4,221,094	6	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
DE	50 2010 015 269.5	1	<p>Qi Specification v.1.3.1 Introduction: Secs. 3.1, 4.5 Communications Protocol: Secs. 3, 5, 8.11, 8.13; Fig. 11; Table 12</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1, 4.5 Communications Protocol: Secs. 3, 5, 8.11, 8.13; Fig. 11; Table 12</p>
DE	50 2012 016 638.1	1	<p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Figs. 1, 2 Power Delivery: Secs. 3, 3.6; Fig. 3 MPP System: Secs. 1.1, 1.1.1, 1.1.2, 1.2, 1.2.1, 5.1, 5.3, 5.3.1, 5.3.2, 5.3.3; Figs. 2.2.2:3, 2.2.2:6, 6.1:62, 6.3.2.1:68</p>
DE	50 2013 013 223.4	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Glossary: Sec. 1 Introduction: Sec. 3.1 Communications Physical Layer: Sec. 3 Communications Protocol: Secs. 1.2, 2.1, 2.3, 4, 4.2.1, 5, 7, Fig. 6 Power Transmitter Reference Designs: Secs. 1.2, 4.2</p>
DE	60 2004 054 556.2	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2.1, 5.2.2, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Fig. 27, 30</p>
DE	60 2005 044 966.3	1, 11	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.2.6, 5.2.3.4, 5.2.3.11, 11.4, 11.4.1, Fig. 47, Tables 31, 39
DE	60 2005 054 787.8	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
DE	60 2006 050 173.0	1	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.2.2, 5.1.2.6, 5.1.3.6, 5.2.3.2, 10, 10.1, Figs. 16, 18, 19, Tables 29, 63</p>
DE	60 2007 061 116.4	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264</p>

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Ctry.	Patent	CI	Standards / Sections
DE	60 2008 051 724.1	1, 4	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, Fig. 10 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.2.2, 5.1.2.3, 5.2.1, 5.2.3, 5.2.3.2, 5.2.3.5, 5.2.3.8, Fig. 16, Tables 28, 29, 32, 35
DE	60 2008 059 400.9	10, 11	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 3, 3.1.1, 3.1.2, 3.1.3, 3.1.7, 5.1, 5.1.1, 5.1.3.2, 5.1.3.3, 5.2.1, 5.2.3.5, 5.2.3.8, Figs. 4, 5, 17, Tables 33, 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 3.2.2, Fig. 255
DE	60 2008 059 963.9	5	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 4, 5.1, 5.1.2, 5.1.6.1, 7.1, 7.1.1, 8.3, 8.5, 8.11, Figs. 4, 12, 14, 42, Tables 20, 22, 29 Power Delivery: Sec. 10, Fig. 13 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 4, 5.1, 5.1.2, 5.1.6.1, 7.1, 7.1.1, 8.3, 8.5, 8.11, Figs. 4, 12, 14, 42, Tables 20, 22, 29 Power Delivery: Sec. 10, Fig. 13
DE	60 2009 049 204.7	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 3.1, 3.2.1 Glossary: Sec. 1 Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.4.2, 7, Figs. 2, 5 Power Delivery: Secs. 2, 3, 3.6, Fig. 3 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1, 3.2.1 Glossary: Sec. 1 Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.4.2, 7, Figs. 2, 5 Power Delivery: Secs. 2, 3, 3.6, Fig. 3
DE	60 2009 052 981.1	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46
DE	60 2009 059 136.3	1	Qi Specification, V.1.3.1 (Aug. 2021) Glossary: 1 Introduction: Secs. 3.1, 3.2.1, 4.1, 4.5 Communications Physical Layer: 2 Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.2.1, 4.2.2, 7, Figs. 2, 4, 5, 6 Power Delivery: Secs. 2, 3, 3.6, Fig. 3 Qi Specification v.2.0 (Apr. 2023) Glossary: 1 Introduction: Secs. 3.1, 3.2.1, 4.1, 4.5 Communications Physical Layer: 2 Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.2.1, 4.2.2, 7, Figs. 2, 4, 5, 6 Power Delivery: Secs. 2, 3, 3.6, Fig. 3
DE	60 2009 064 545.5	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2
DE	60 2010 000 292.6	1	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, 5.1.2, 5.1.2.1, 5.1.2.3, 5.1.2.3.1, 5.1.2.6, 5.1.2.6.1, 10, 10.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.3.6, 2.3.6.2, 2.3.6.3, Fig. 180
DE	60 2010 034 657.9	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.1.1, 10, 10.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.6, 2.2.6.1.1, Figs. 15, 17

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
DE	60 2010 036 762.2	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
DE	60 2010 044 365.5	5	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, 4.5, Fig. 4 Communications Protocol: Secs. 4, 4.2.1, 8.17, Figs. 4, 6, Table 34 Power Delivery: Sec. 16.1 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, 4.5, Fig. 4 Communications Protocol: Secs. 4, 4.2.1, 8.17, Figs. 4, 6, Table 34 Power Delivery: Sec. 16.1
DE	60 2010 058 277.9	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 4, 4.2.1, 4.2.2, 8.17, Figs. 2, 4, 6, Table 34 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 4, 4.2.1, 4.2.2, 8.17, Figs. 2, 4, 6, Table 34
DE	60 2011 018 466.0	6	Qi Specification, V.1.3.1 (Aug. 2021) Communications Physical Layer: Sec. 2.3 Communications Protocol: Secs. 2.1, 4, Figs. 2, 4 Power Delivery: Secs. 2, 16.1, 16.1.1, 16.1.3, Figs. 2, 19, 21 Qi Specification v.2.0 (Apr. 2023) Communications Physical Layer: Sec. 2.3 Communications Protocol: Secs. 2.1, 4, Figs. 2, 4 Power Delivery: Secs. 2, 16.1, 16.1.1, 16.1.3, Figs. 2, 19, 21
DE	60 2012 021 258.6	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 3.1, 4.2 Communications Protocol: Sec. 8.5, Table 22 Power Delivery: Secs. 2, 3, 3.1, 10, Figs. 2, 5, 11 Power Transmitter Reference Designs: Secs. 10, 10.2, Fig. 25 Power Receiver Design Examples: Sec. 2.2 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1, 4.2 Communications Protocol: Sec. 8.5, Table 22 Power Delivery: Secs. 2, 3, 3.1, 10, Figs. 2, 5, 11 Power Transmitter Reference Designs: Secs. 10, 10.2, Fig. 13 Power Receiver Design Examples: Sec. 2.2
DE	60 2012 025 997.3	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
DE	60 2012 069 696.6	1	Qi Specification v.2.0 (Aug. 2023) Power Delivery: Sec. 10; Fig. 11 Foreign Object Detection: Annex B.1; Fig. 18
DE	60 2012 071 422.0	7	Qi Specification v.2.0 (Aug. 2023) Communications Protocol: Secs. 2.1, 4.2.2, 6; Figs. 2, 21 Power Delivery: Secs. 2, 3.6; Fig. 2

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
DE	60 2012 071 712.2	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47            Power Delivery: Sec. 7</p> <p>Qi Specification v.2.0 (Apr. 2023)            Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47            Power Delivery: Sec. 7</p>
DE	60 2012 078 687.6	7	<p>Qi Specification v.2.0 (Aug. 2023)            Communications Protocol: Sec. 2.1; Fig. 2            Foreign Object Detection: Secs. 4.1, 4.2, 4.2.1, 4.2.2, 4.2.3; Figs. 3, 4            PTx Reference Designs: Sec. 10.2; Fig. 13</p>
DE	60 2013 015 917.3	17	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, , Figs. 16, 18, Table 11</p>
DE	60 2013 043 744.0	12	<p>Qi Specification, v.1.3.1 (Aug. 2021)            Introduction: Sec. 3.1            Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21            PTx Reference Designs: Secs. 47, 47.2, Fig. 188</p> <p>Qi Specification, v.2.0 (Apr. 2023)            Introduction: Sec. 3.1            Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21            PTx Reference Designs: Secs. 48, 48.2, Fig. 103</p>
DE	60 2013 062 418.6	1	<p>Qi Specification v.2.0 (Aug. 2023)            Introduction: Sec. 3.1            Communications Protocol: Secs. 2.1, 4.2.1, 5, 5.1.5, 6 and 8.9; Fig. 2; Table 27            Power Delivery: Secs. 2 and 3; Figs. 2 and 3            Foreign Object Detection: Sec. 4.2.2 and Annex A; Fig. 6            PRx Test Tools: Sec. 5; Fig. 8</p>
DE	60 2013 072 389.3	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Introduction: Sec. 3, Fig. 6            Glossary: Sec. 1            Communications Physical Layer: Sec. 2            Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p> <p>Qi Specification v.2.0 (Apr. 2023)            Introduction: Sec. 3, Fig. 6            Glossary: Sec. 1            Communications Physical Layer: Sec. 2            Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p>
DE	60 2013 074 008.9	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p>
DE	60 2014 015 437.9	1	<p>Qi Specification v.2.0 (Aug. 2023)            Introduction: Sec. 3.1            Communications Protocol: Sec. 8.9            Power Delivery: Sec. 2; Fig. 2            Foreign Object Detection: Secs. 4.2, 4.2.1, 4.2.2, 4.2.3; Annex A            PTx Reference Designs: Sec. 10; Fig. 10</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
DE	60 2015 001 552.5	1	Qi Specification, V.1.3.1 (Aug. 2021) Glossary: Sec. 1 Introduction: Secs. 3, 3.1, Fig. 6 Power Receiver Reference Designs: Sec. 5.1.1, Fig. 12, Table 7 Power Transmitter Reference Designs: Secs. 2.2, 44, 44.1, 44.1.1, 44.2, Figs. 166, 167, 168, 170, Table 107
DE	60 2015 006 274.4	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 4, 4.1, 5, 5.1.3, 8.4, Fig. 4, Table 21 Communications Physical Layer: Sec. 3 Power Delivery: Secs. 2, 5.2, 15, 15.1, 16.1, Figs. 2, 8 Power Transmitter Reference Designs: Secs. 10.2, 15.2, 34.2, 41, 41.2, Figs. 147, 148
DE	60 2015 011 803.0	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.3.5, 5.1.4, 11.1, 11.3.2, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Fig. 27
DE	60 2015 019 331.8	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 4, 4.1, 5, 5.1.3, 8.4, Fig. 4, Table 21 Communications Physical Layer: Sec. 3 Power Delivery: Secs. 2, 5.2, 15, 15.1, 16.1, Figs. 2, 8 Power Transmitter Reference Designs: Secs. 10.2, 15.2, 34.2, 41, 41.2, Figs. 147, 148
DE	60 2015 044 494.9	1	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.2.5, 5.2.1.5, 11.3, 11.3.2, 11.4.3, 11.4.3.2, Fig. 23 The Qi Wireless Power Transfer System, Power Class 0 Specification, Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
DE	60 2016 009 514.9	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 5.1.1, 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.3.6, 5.2.3.1, 5.2.3.8, 5.3.1, 5.3.2.3, 5.3.2.3.2, 5.3.3.3, 5.3.3.3.2, Figs. 4, 51, Tables 27, 54, 58, 60, Annex B, B.2, B.2.2, The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.3, 2.3.1, Fig. 150
DE	60 2016 072 198.8	1	Qi Specification v.1.3.1 (Aug. 2021) Communications Protocol: Sec. 7.1; Figs 42, 43 Foreign Object Detection: Secs. 4, 4.1, 4.1.1 - 4.1.5; Figs. 3, 4 PTx Reference Designs: Secs. 2.2, 40 (B3), 40.1.1, 40.2, 40.2.1; Figs. 140, 142, 143 Mechanical, Thermal, and User Interface: Sec. 5.1
DE	60 2017 003 989.6	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, Fig. 17 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.2.10, Figs. 27, 30
DE	60 2017 075 902.3	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4
DE	60 2017 078 952.6	1	Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 3, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
DE	C0 60 2017 084 035.1	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
DE	60 2018 076 890.4	6	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47</p>
DE	60 2019 050 705.4	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47</p>
DE	60 2019 061 251.6	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Power Delivery: Secs. 3, 3.2, and 4; Fig. 4  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Figs. 21</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
DE	60 2019 061 811.5	11	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 4  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs. 2, 4, 43, 46, 51; Tables 23, 32, 43</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs. 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
DE	60 2020 037 767.0	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
DE	603 50 797.2	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 2.1, 2.3, representative power transmitter design B1: 2.3.1, 2.3.1.1.1, 2.3.1.1.2, Figs 151, 152, Table 103
DK	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
DK	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Object Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Object Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
DK	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
DK	4,044,401	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Glossary: Sec. 2  Introduction: Secs. 3.1, 4.2  NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6  Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p> <p>Qi Specification v.2.0 (Apr. 2023)  Glossary: Sec. 2  Introduction: Secs. 3.1, 4.2  NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5  Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
DK	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
DK	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
DK	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11  Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
EE	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
EE	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
EE	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
EE	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
EE	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
ES	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
ES	2,375,532	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
ES	2,403,100	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30</p>
ES	2,446,600	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
ES	2,522,128	6	Qi Specification, V.1.3.1 (Aug. 2021) Communications Physical Layer: Sec. 2.3 Communications Protocol: Secs. 2.1, 4, Figs. 2, 4 Power Delivery: Secs. 2, 16.1, 16.1.1, 16.1.3, Figs. 2, 19, 21 Qi Specification v.2.0 (Apr. 2023) Communications Physical Layer: Sec. 2.3 Communications Protocol: Secs. 2.1, 4, Figs. 2, 4 Power Delivery: Secs. 2, 16.1, 16.1.1, 16.1.3, Figs. 2, 19, 21
ES	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
ES	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
ES	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40
ES	2,909,917	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2
ES	3,123,587	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.3.5, 5.1.4, 11.1, 11.3.2, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Fig. 27
ES	3,185,262	12	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21 PTx Reference Designs: Secs. 47, 47.2, Fig. 188 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21 PTx Reference Designs: Secs. 48, 48.2, Fig. 103

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
ES	3,300,213	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.1, 5.1.1, 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.3.6, 5.2.3.1, 5.2.3.8, 5.3.1, 5.3.2.3, 5.3.2.3.2, 5.3.3.3, 5.3.3.3.2, Figs. 4, 51, Tables 27, 54, 58, 60, Annex B, B.2, B.2.2, The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.3, 2.3.1, Fig. 150
ES	3,972,088	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4
ES	C0 3,335,926	11	Qi Specification v.1.3.1 Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1
ES	3,403,313	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, Fig. 17 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.2.10, Figs. 27, 30
ES	3,487,028	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2
ES	3,640,836	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264
ES	4,044,401	1	Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
ES	4,221,094	6	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
FI	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
FI	2,375,532	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
FI	2,403,100	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30</p>
FI	2,446,600	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25</p>
FI	2,689,512	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2</p>
FI	2,867,997	17	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11</p>
FI	2,880,736	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
FI	2,909,917	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p>
FI	CO 3,335,926	11	<p>Qi Specification v.1.3.1            Introduction: Secs. 3.1 and 4.6            Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6            Power Delivery: Secs. 2 and 15; Fig. 2            Foreign Object Detection: Secs. 2 and 3            PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224            Mechanical, Thermal, and User Interface: Sec. 5.1            Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)            Introduction: Secs. 3.1 and 4.6            Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6            Power Delivery: Secs. 2 and 15; Fig. 2            Foreign Object Detection: Secs. 2 and 3            PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116            Mechanical, Thermal, and User Interface: Sec. 5.1            Glossary: Sec. 1</p>
FI	3,185,262	12	<p>Qi Specification, v.1.3.1 (Aug. 2021)            Introduction: Sec. 3.1            Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21            PTx Reference Designs: Secs. 47, 47.2, Fig. 188</p> <p>Qi Specification, v.2.0 (Apr. 2023)            Introduction: Sec. 3.1            Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21            PTx Reference Designs: Secs. 48, 48.2, Fig. 103</p>
FI	3,487,028	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2</p>
FI	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)            Introduction: Sec. 3.1; Fig. 6            Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21            Power Delivery: Secs. 3, 3.2; Fig. 4            Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)            Introduction: Secs. 3.1; Fig. 3            Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21            Power Delivery: Secs. 3, 3.2; Fig. 4            Foreign Object Detection: Sec.4</p>
FI	3,972,088	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)            Introduction: Sec. 3.1            Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p> <p>Qi Specification, v.2.0 (Apr. 2023)            Introduction: Sec. 3.1            Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
FI	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3.1; Fig. 6 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
FI	4,221,094	6	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
FI	4,250,524	11	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
FR	2,066,000	10, 11	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 3, 3.1.1, 3.1.2, 3.1.3, 3.1.7, 5.1, 5.1.1, 5.1.3.2, 5.1.3.3, 5.2.1, 5.2.3.5, 5.2.3.8, Figs. 4, 5, 17, Tables 33, 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 3.2.2, Fig. 255</p>
FR	2,093,857	1, 4	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, Fig. 10 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.2.2, 5.1.2.3, 5.2.1, 5.2.3, 5.2.3.2, 5.2.3.5, 5.2.3.8, Fig. 16, Tables 28, 29, 32, 35</p>
FR	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
FR	2,375,532	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
FR	2,436,096	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.1.1, 10, 10.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.6, 2.2.6.1.1, Figs. 15, 17</p>
FR	2,446,600	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
FR	2,493,719	1	Qi Specification v.1.3.1 Introduction: Secs. 3.1, 4.5 Communications Protocol: Secs. 3, 5, 8.11, 8.13; Fig. 11; Table 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1, 4.5 Communications Protocol: Secs. 3, 5, 8.11, 8.13; Fig. 11; Table 12
FR	2,522,128	6	Qi Specification, V.1.3.1 (Aug. 2021) Communications Physical Layer: Sec. 2.3 Communications Protocol: Secs. 2.1, 4, Figs. 2, 4 Power Delivery: Secs. 2, 16.1, 16.1.1, 16.1.3, Figs. 2, 19, 21 Qi Specification v.2.0 (Apr. 2023) Communications Physical Layer: Sec. 2.3 Communications Protocol: Secs. 2.1, 4, Figs. 2, 4 Power Delivery: Secs. 2, 16.1, 16.1.1, 16.1.3, Figs. 2, 19, 21
FR	2,683,051	5	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 4, 5.1, 5.1.2, 5.1.6.1, 7.1, 7.1.1, 8.3, 8.5, 8.11, Figs. 4, 12, 14, 42, Tables 20, 22, 29 Power Delivery: Sec. 10, Fig. 13 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 4, 5.1, 5.1.2, 5.1.6.1, 7.1, 7.1.1, 8.3, 8.5, 8.11, Figs. 4, 12, 14, 42, Tables 20, 22, 29 Power Delivery: Sec. 10, Fig. 13
FR	2,685,594	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 2.1, 2.3, representative power transmitter design B1: 2.3.1, 2.3.1.1.1, 2.3.1.1.2, Figs 151, 152, Table 103
FR	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
FR	2,693,235	1	Qi Specification v.2.0 (Aug. 2023) Power Delivery: Sec. 10; Fig. 11 Foreign Object Detection: Annex B.1; Fig. 18
FR	2,766,973	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Figs. 1, 2 Power Delivery: Secs. 3, 3.6; Fig. 3 MPP System: Secs. 1.1, 1.1.1, 1.1.2, 1.2, 1.2.1, 5.1, 5.3, 5.3.1, 5.3.2, 5.3.3; Figs. 2.2.2:3, 2.2.2:6, 6.1:62, 6.3.2.1:68
FR	2,784,718	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 3.1, 3.2.1 Glossary: Sec. 1 Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.4.2, 7, Figs. 2, 5 Power Delivery: Secs. 2, 3, 3.6, Fig. 3 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1, 3.2.1 Glossary: Sec. 1 Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.4.2, Figs. 2, 5 Power Delivery: Secs. 2, 3, 3.6, Fig. 3

**Qi Wireless Charging Cross-Reference Chart  
(01Feb26)**

Ctry.	Patent	CI	Standards / Sections
FR	2,836,885	1	Qi Specification, V.1.3.1 (Aug. 2021) Glossary: Sec. 1 Introduction: Sec. 3.1 Communications Physical Layer: Sec. 3 Communications Protocol: Secs. 1.2, 2.1, 2.3, 4, 4.2.1, 5, 7, Fig. 6 Power Transmitter Reference Designs: Secs. 1.2, 4.2
FR	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
FR	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40
FR	2,882,070	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.2.2, 5.1.2.6, 5.1.3.6, 5.2.3.2, 10. 10.1, Figs. 16, 18, 19, Tables 29, 63
FR	2,909,917	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2
FR	3,007,849	1	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 5.2.3.5, 5.3.3.3, 11, 11.3, 11.3.1, 11.3.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2
FR	3,123,587	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.3.5, 5.1.4, 11.1, 11.3.2, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Fig. 27
FR	3,185,262	12	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21 PTx Reference Designs: Secs. 47, 47.2, Fig. 188 Qi Specification, v.2.0 (Apr 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21 PTx Reference Designs: Secs. 48, 48.2, Fig. 103

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
FR	3,285,195	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)                      Glossary: 1                      Introduction: Secs. 3.1, 3.2.1, 4.1, 4.5                      Communications Physical Layer: 2                      Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.2.1, 4.2.2, 7, Figs. 2, 4, 5, 6                      Power Delivery: Secs. 2, 3, 3.6, Fig. 3                      Qi Specification v.2.0 (Apr. 2023)                      Glossary: 1                      Introduction: Secs. 3.1, 3.2.1, 4.1, 4.5                      Communications Physical Layer: 2                      Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.2.1, 4.2.2, 7, Figs. 2, 4, 5, 6                      Power Delivery: Secs. 2, 3, 3.6, Fig. 3</p>
FR	3,300,213	1	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6                      The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.1, 5.1.1, 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.3.6, 5.2.3.1, 5.2.3.8, 5.3.1, 5.3.2.3, 5.3.2.3.2, 5.3.3.3, 5.3.3.3.2, Figs. 4, 51, Tables 27, 54, 58, 60, Annex B, B.2, B.2.2,                      The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.3, 2.3.1, Fig. 150</p>
FR	C0 3,335,926	11	<p>Qi Specification v.1.3.1                      Introduction: Secs. 3.1 and 4.6                      Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6                      Power Delivery: Secs. 2 and 15; Fig. 2                      Foreign Objection Detection: Secs. 2 and 3                      PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224                      Mechanical, Thermal, and User Interface: Sec. 5.1                      Glossary: Sec. 1                      Qi Specification v.2.0 (Apr. 2023)                      Introduction: Secs. 3.1 and 4.6                      Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6                      Power Delivery: Secs. 2 and 15; Fig. 2                      Foreign Objection Detection: Secs. 2 and 3                      PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116                      Mechanical, Thermal, and User Interface: Sec. 5.1                      Glossary: Sec. 1</p>
FR	3,373,461	1	<p>Qi Specification v.2.0 (Aug. 2023)                      Introduction: Sec. 3.1                      Communications Protocol: Secs. 2.1, 4.2.1, 5, 5.1.5, 6 and 8.9; Fig. 2; Table 27                      Power Delivery: Secs. 2 and 3; Figs. 2 and 3                      Foreign Object Detection: Sec. 4.2.2 and Annex A; Fig. 6                      PRx Test Tools: Sec. 5; Fig. 8</p>
FR	3,376,586	7	<p>Qi Specification v.2.0 (Aug. 2023)                      Communications Protocol: Secs. 2.1, 4.2.2, 6; Figs. 2, 21                      Power Delivery: Secs. 2, 3.6; Fig. 2</p>
FR	3,389,191	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)                      Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47                      Power Delivery: Sec. 7                      Qi Specification v.2.0 (Apr. 2023)                      Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47                      Power Delivery: Sec. 7</p>
FR	3,403,313	1	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3                      The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, Fig. 17                      The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.2.10, Figs. 27, 30</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
FR	3,407,466	1	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.2.5, 5.2.1.5, 11.3, 11.3.2, 11.4.3, 11.4.3.2, Fig. 23 The Qi Wireless Power Transfer System, Power Class 0 Specification, Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
FR	3,487,028	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2
FR	3,640,836	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264
FR	3,829,027	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4
FR	3,972,088	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4
FR	4,044,401	1	Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22
FR	4,138,309	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47
FR	4,195,452	4	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3.1; Fig. 6 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
FR	4,221,094	6	Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11
FR	4,250,524	11	Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11
GB	2,066,000	10, 11	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 3, 3.1.1, 3.1.2, 3.1.3, 3.1.7, 5.1, 5.1.1, 5.1.3.2, 5.1.3.3, 5.2.1, 5.2.3.5, 5.2.3.8, Figs. 4, 5, 17, Tables 33, 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 3.2.2, Fig. 255
GB	2,093,857	1, 4	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, Fig. 10 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.2.2, 5.1.2.3, 5.2.1, 5.2.3, 5.2.3.2, 5.2.3.5, 5.2.3.8, Fig. 16, Tables 28, 29, 32, 35
GB	2,357,715	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46
GB	2,372,863	1, 11	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.2.6, 5.2.3.4, 5.2.3.11, 11.4, 11.4.1, Fig. 47, Tables 31, 39
GB	2,375,532	7	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
GB	2,394,350	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 4, 4.2.1, 4.2.2, 8.17, Figs. 2, 4, 6, Table 34 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 4, 4.2.1, 4.2.2, 8.17, Figs. 2, 4, 6, Table 34
GB	2,403,100	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30

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Ctry.	Patent	CI	Standards / Sections
GB	2,416,599	5	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, 4.5, Fig. 4 Communications Protocol: Secs. 4, 4.2.1, 8.17, Figs. 4, 6, Table 34 Power Delivery: Sec. 16.1 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, 4.5, Fig. 4 Communications Protocol: Secs. 4, 4.2.1, 8.17, Figs. 4, 6, Table 34 Power Delivery: Sec. 16.1
GB	2,436,096	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.1.1, 10, 10.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.6, 2.2.6.1.1, Figs. 15, 17
GB	2,446,600	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
GB	2,493,719	1	Qi Specification v.1.3.1 Introduction: Secs. 3.1, 4.5 Communications Protocol: Secs. 3, 5, 8.11, 8.13; Fig. 11; Table 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1, 4.5 Communications Protocol: Secs. 3, 5, 8.11, 8.13; Fig. 11; Table 12
GB	2,522,128	6	Qi Specification, V.1.3.1 (Aug. 2021) Communications Physical Layer: Sec. 2.3 Communications Protocol: Secs. 2.1, 4, Figs. 2, 4 Power Delivery: Secs. 2, 16.1, 16.1.1, 16.1.3, Figs. 2, 19, 21 Qi Specification v.2.0 (Apr. 2023) Communications Physical Layer: Sec. 2.3 Communications Protocol: Secs. 2.1, 4, Figs. 2, 4 Power Delivery: Secs. 2, 16.1, 16.1.1, 16.1.3, Figs. 2, 19, 21
GB	2,683,051	5	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 4, 5.1, 5.1.2, 5.1.6.1, 7.1, 7.1.1, 8.3, 8.5, 8.11, Figs. 4, 12, 14, 42, Tables 20, 22, 29 Power Delivery: Sec. 10, Fig. 13 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 4, 5.1, 5.1.2, 5.1.6.1, 7.1, 7.1.1, 8.3, 8.5, 8.11, Figs. 4, 12, 14, 42, Tables 20, 22, 29 Power Delivery: Sec. 10, Fig. 13
GB	2,685,594	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 2.1, 2.3, representative power transmitter design B1: 2.3.1, 2.3.1.1.1, 2.3.1.1.2, Figs 151, 152, Table 103
GB	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
GB	2,693,235	1	Qi Specification v.2.0 (Aug. 2023) Power Delivery: Sec. 10; Fig. 11 Foreign Object Detection: Annex B.1; Fig. 18

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
GB	2,766,973	1	<p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Figs. 1, 2  Power Delivery: Secs. 3, 3.6; Fig. 3  MPP System: Secs. 1.1, 1.1.1, 1.1.2, 1.2, 1.2.1, 5.1, 5.3, 5.3.1, 5.3.2, 5.3.3; Figs. 2.2.2:3, 2.2.2:6, 6.1:62, 6.3.2.1:68</p>
GB	2,784,718	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1, 3.2.1  Glossary: Sec. 1  Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.4.2, 7, Figs. 2, 5  Power Delivery: Secs. 2, 3, 3.6, Fig. 3  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1, 3.2.1  Glossary: Sec. 1  Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.4.2, Figs. 2, 5  Power Delivery: Secs. 2, 3, 3.6, Fig. 3</p>
GB	2,836,885	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Glossary: Sec. 1  Introduction: Sec. 3.1  Communications Physical Layer: Sec. 3  Communications Protocol: Secs. 1.2, 2.1, 2.3, 4, 4.2.1, 5, 7, Fig. 6  Power Transmitter Reference Designs: Secs. 1.2, 4.2</p>
GB	2,867,997	17	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11</p>
GB	2,880,736	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Introduction: Sec. 3, Fig. 6  Glossary: Sec. 1  Communications Physical Layer: Sec. 2  Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40  Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3, Fig. 6  Glossary: Sec. 1  Communications Physical Layer: Sec. 2  Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p>
GB	2,882,070	1	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 5, 6  The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.2.2, 5.1.2.6, 5.1.3.6, 5.2.3.2, 10. 10.1, Figs. 16, 18, 19, Tables 29, 63</p>
GB	2,909,917	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32  Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12  Power Delivery: Sec. 2, Fig. 2  Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32  Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12  Power Delivery: Sec. 2, Fig. 2</p>
GB	3,123,587	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.3.5, 5.1.4, 11.1, 11.3.2, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Fig. 27</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
GB	3,185,262	12	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21  PTx Reference Designs: Secs. 47, 47.2, Fig. 188</p> <p>Qi Specification, v.2.0 (Apr 2023)  Introduction: Sec. 3.1  Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21  PTx Reference Designs: Secs. 48, 48.2, Fig. 103</p>
GB	3,285,195	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Glossary: 1  Introduction: Secs. 3.1, 3.2.1, 4.1, 4.5  Communications Physical Layer: 2  Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.2.1, 4.2.2, 7, Figs. 2, 4, 5, 6  Power Delivery: Secs. 2, 3, 3.6, Fig. 3</p> <p>Qi Specification v.2.0 (Apr. 2023)  Glossary: 1  Introduction: Secs. 3.1, 3.2.1, 4.1, 4.5  Communications Physical Layer: 2  Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.2.1, 4.2.2, 7, Figs. 2, 4, 5, 6  Power Delivery: Secs. 2, 3, 3.6, Fig. 3</p>
GB	3,300,213	1	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6  The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.1, 5.1.1, 5.1.2, 5.1.2.2, 5.1.3.6, 5.2.3.1, 5.2.3.8, 5.3.1, 5.3.2.3, 5.3.2.3.2, 5.3.3.3, 5.3.3.3.2, Figs. 4, 51, Tables 27, 54, 58, 60, Annex B, B.2, B.2.2,  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.3, 2.3.1, Fig. 150</p>
GB	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
GB	3,373,461	1	<p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1  Communications Protocol: Secs. 2.1, 4.2.1, 5, 5.1.5, 6 and 8.9; Fig. 2; Table 27  Power Delivery: Secs. 2 and 3; Figs. 2 and 3  Foreign Object Detection: Sec. 4.2.2 and Annex A; Fig. 6  PRx Test Tools: Sec. 5; Fig. 8</p>
GB	3,376,586	7	<p>Qi Specification v.2.0 (Aug. 2023)  Communications Protocol: Secs. 2.1, 4.2.2, 6; Figs. 2, 21  Power Delivery: Secs. 2, 3.6; Fig. 2</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
GB	3,389,191	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47 Power Delivery: Sec. 7 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47 Power Delivery: Sec. 7
GB	3,403,313	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, Fig. 17 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.2.10, Figs. 27, 30
GB	3,407,466	1	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.2.5, 5.2.1.5, 11.3, 11.3.2, 11.4.3, 11.4.3.2, Fig. 23 The Qi Wireless Power Transfer System, Power Class 0 Specification, Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
GB	3,487,028	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2
GB	3,640,836	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264
GB	3,829,027	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4
GB	3,972,088	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4
GB	4,044,401	1	Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22
GB	4,138,309	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
GB	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
GB	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
GB	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
GR	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
HU	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
HU	3,185,262	12	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21 PTx Reference Designs: Secs. 47, 47.2, Fig. 188</p> <p>Qi Specification, v.2.0 (Apr 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21 PTx Reference Designs: Secs. 48, 48.2, Fig. 103</p>
HU	3,640,836	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264</p>
HU	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p>
HU	3,972,088	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p> <p>Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p>
HU	4,044,401	1	<p>Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p> <p>Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p>
HU	4,138,309	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47</p>
HU	4,250,524	11	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
IE	2,357,715	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46
IT	2,357,715	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46
IT	2,375,532	7	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
IT	2,403,100	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30
IT	2,446,600	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
IT	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
IT	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
IT	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40
IT	2,909,917	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2
IT	3,123,587	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.3.5, 5.1.4, 11.1, 11.3.2, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Fig. 27

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Ctry.	Patent	CI	Standards / Sections
IT	3,185,262	12	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21  PTx Reference Designs: Secs. 47, 47.2, Fig. 188</p> <p>Qi Specification, v.2.0 (Apr 2023)  Introduction: Sec. 3.1  Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21  PTx Reference Designs: Secs. 48, 48.2, Fig. 103</p>
IT	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
IT	3,403,313	1	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3  The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, Fig. 17  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.2.10, Figs. 27, 30</p>
IT	3,487,028	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2</p>
IT	3,640,836	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264</p>
IT	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
IT	3,972,088	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p>

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Ctry.	Patent	CI	Standards / Sections
IT	4,044,401	1	Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22
IT	4,138,309	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47
IT	4,195,452	4	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3.1; Fig. 6 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12
IT	4,221,094	6	Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11
IT	4,250,524	11	Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11
JP	5,013,019	1	Qi Specification v.1.3.1 Glossary: Sec.1 NFC Tag Protection: Secs. 4.1.2, 5.2; Fig. 3 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec.1 NFC Tag Protection: Secs. 4.1.2, 5.2; Fig. 3

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Ctry.	Patent	CI	Standards / Sections
JP	5,059,720	8	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, Fig. 10 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 3.2.4, 5.1.2.3, 5.1.2.6, 5.1.2.6.1, 5.1.3.6, 5.2.1, 5.2.2, 5.2.3.8, Figs. 16, 17, Tables 26, 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2.2, A2, B3, Fig. 6
JP	5,172,050	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Sec. 8.5 Introduction: Sec. 4.2 Power Delivery: Figs. 2, 5 Power Transmitter Reference Designs: Secs. 10, 10.2, Fig. 25 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Sec. 8.5 Introduction: Sec. 4.2 Power Delivery: Figs. 2, 5 Power Transmitter Reference Designs: Secs. 10, 10.2, Fig. 13
JP	5,393,804	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Sec. 5.1.1, Annex B.2.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.3, 2.2.13, 2.2.13.1.1, 2.2.13.2, Figs. 39, 41, 42
JP	5,449,407	5	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 2, 4.2.2, 4.2.3, 4.2.5, 5.1.5, Figs. 4, 5, 13, Table 11 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2, 4.2.2, 4.2.3, 4.2.5, 5.1.5, Figs. 4, 5, 13, Table 11
JP	5,584,805	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 3.1, 3.2.1 Glossary: Sec. 1 Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.2.2, 7, Figs. 2, 5 Power Delivery: Secs. 2, 3, 3.6, Fig. 3 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1, 3.2.1 Glossary: Sec. 1 Communications Protocol: Secs. 2, 2.1, 4, 4.1, 4.2.2, 7, Figs. 2, 5 Power Delivery: Secs. 2, 3, 3.6, Fig. 3
JP	5,623,536	1	Qi Specification v.1.3.1 Introduction: Secs. 3.1 and 4.5 Communications Protocol: Sec. 3 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, 4.5 Communications Protocol: Sec. 3
JP	5,635,423	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 4.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 5.1.1, 5.1.2, 10.1, Annex B.2.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.3.6, 2.3.6.2, Fig. 174
JP	5,651,724	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 3.2.4, 5.1.1, 5.1.2.2, 5.1.2.3, 5.1.2.6, 5.1.2.6.1, 5.1.3.2, 5.1.3.3, 5.2.1, 5.2.3.1, 5.2.3.3, 5.2.3.5, 5.2.3.8, 5.2.3.10, 5.3.1, 5.3.1.6, Figs. 17, 26, Tables 27, 30, 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, e.g., Secs. 1.3, 2.1, A14, A19, A21
JP	5,840,886	1	Qi Specification v.2.0 (Apr. 2023) Power Delivery: Sec. 2 Foreign Object Detection: Secs. 4.2.1; Annex B.2.1 MPP System Specification: Figs. 2.2.2.4, 5.3.1:36; Table 5.3.1.2:17

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Ctry.	Patent	CI	Standards / Sections
JP	5,932,743	2	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 3.15.1.2.2, 5.1.1., 5.1.2.3, 5.2.3.1, 5.1.2.6, 5.2.3.3 Figs. 5, Annexes B.2, B.2.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.3.1.2
JP	5,963,007	4	Qi Specification v.1.3.1 Introduction: Sec. 3.1 Communications Protocol: Secs. 7.3.4 and 8.7; Figs. 5 and 63 Power Delivery: Secs. 3 and 3.6 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 7.3.4 and 8.7; Figs. 5 and 63 Power Delivery: Secs. 3 and 3.6
JP	5,976,385	1	Qi Specification v.2.0 (Apr. 2023) Foreign Object Detection: Sec. 4.2.3; Annexes A, B.2.2 Glossary: Sec. 1
JP	5,988,146	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 3, 3.1, Fig. 6 Glossary: Sec. 1 Power Receiver Design Examples: Sec. 2.1.2, Fig. 3 NFC Tag Protection: Secs. 4.1.2, 5.2, Fig. 3 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3, 3.1, Fig. 3 Glossary: Sec. 1 Power Receiver Design Examples: Sec. 2.1.2, Fig. 3 NFC Tag Protection: Secs. 4.1.2, 5.2, Fig. 3
JP	6,040,899	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig.1 Power Delivery: Secs. 2, 3; Figs. 2, 3 MPP System Specification: Secs. 4.9.2.2
JP	6,061,014	1	Qi Specification v. 2.0 (Apr. 2023) Introduction: Secs. 3.1, 3.2.1.3, 3.2.1.6, 3.3.1.1; Fig. 3 MPP System: Sec. 3.2.1.1; Fig. 4.2.1.1:7
JP	6,160,880	1	Qi Specification v.1.3.1 Power Delivery: Secs. 2, 3, 3.1, 3.2, 3.3, and 3.6; Figs. 2 and 3 Communications Physical Layers: Sec. 2.1 Qi Specification v.2.0 (Apr. 2023) Power Delivery: Secs. 2, 3, 3.1, 3.2, 3.3, and 3.6; Figs. 2 and 3 Communications Physical Layers: Sec. 2.1
JP	6,315,483	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Power Delivery: Sec. 15.1 MPP Communications Protocol: Secs. 2.2.2, 2.2.3; Figs. 2.3, 2.9, 2.10, 7.20
JP	6,332,398	3	Qi Specification v.2.0 (Apr. 2023) Foreign Object Detection: Secs. 4.2, 4.2.3; Annexes A, B.2.1; Fig. 19 MPP System Specification: Figs. 2.2.2.4; 5.3.1:36
JP	6,362,001	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 4, 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 5.1.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.2.4, 5.1.3.1, 5.1.3.2, 5.1.3.3, 5.1.3.4, 9, 13.1, Fig. 18 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, <i>in passim</i>

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Ctry.	Patent	CI	Standards / Sections
JP	6,497,614	1	Qi Specification V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 4.5, 8.4; Fig. 5; Table 21 Power Delivery: Secs. 2, 15.1, 16.1; Fig. 2 PTx Ref Designs: Secs. 10.2, 15.2, 34.2, 41, 41.2; Figs. 147, 148
JP	6,497,717	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.5.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 9.4, Figs. 2, 3, 21, 24, 28, 68, Tables 35, 36, 47 Power Delivery: Sec. 7 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.5.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 9.4, Figs. 2, 3, 21, 24, 28, 68, Tables 35, 36, 47 Power Delivery: Sec. 7
JP	6,542,964	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, Fig. 6 Communications Physical Layer: Secs. 2, 2.1 Communications Protocol: Sec. 4 Power Delivery: Secs. 15.2, 16.1, 16.1.1, Fig. 19 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, Fig. 3 Communications Physical Layer: Secs. 2, 2.1 Communications Protocol: Sec. 4 Power Delivery: Secs. 15.2, 16.1, 16.1.1, Fig. 19
JP	6,665,914	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 8.7 Power Delivery: Secs. 3.6, 10; Fig. 4 MPP System Specification: Sec. 4.10.2.1.1
JP	6,741,985	1	Qi Specification v.1.3.1 (Aug. 2021) Power Delivery: Sec. 15.2 Power Transmitter Reference Designs: Sec. 40.1.1; Fig. 140, Table 97 Qi Specification v.2.0 (Apr. 2023) Power Delivery: Sec. 15.2 Power Transmitter Reference Designs: Sec. 40.1.1; Fig. 91, Table 68
JP	6,748,249	21	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 7, 8.18, 8.18.3, 9.4, Figs. 3, 21, Tables 35, 36, 38, 47 Power Delivery: Sec. 7 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 7, 8.18, 8.18.3, 9.4, Figs. 3, 21, Tables 35, 36, 38, 47 Power Delivery: Sec. 7

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Ctry.	Patent	CI	Standards / Sections
JP	7,054,852	10	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Mechanical, Thermal, and User Interface: Secs. 3.1, 4, 5.1  Power Delivery: Secs. 1, 2, 15, Fig. 2  Communications Protocol: Secs. 4.2.1, 7, 7.3.4, 7.3.7, 8.7, Figs. 6, 41  Foreign Object Detection: Sec. 3  NFC Tag Protection: Sec. 2.2.1  Power Transmitter Reference Designs: Sec. 48, Fig. 189</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Mechanical, Thermal, and User Interface: Secs. 3.1, 4, 5.1  Power Delivery: Secs. 1, 2, 15, Fig. 2  Communications Protocol: Secs. 4.2.1, 7, 7.3.4, 7.3.7, 8.7, Figs. 6, 41  Foreign Object Detection: Sec. 3  NFC Tag Protection: Sec. 2.1.1  Power Transmitter Reference Designs: Sec. 49, Fig. 104</p>
JP	7,278,356	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Communications Protocol: Sec. 6.6.1  NFC Tag Protection: Secs. 4, 4.3, 4.3.1, 4.3.2, Table 5</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Communications Protocol: Sec. 6.6.1  NFC Tag Protection: Secs. 4, 4.3, 4.3.1, 4.3.2, Table 5</p>
JP	7,336,581	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Communications Protocol: Fig. 21  NFC Tag Protection: Secs. 3, 3.1, 4, 4.3, 5, Table 5</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Communications Protocol: Fig. 21  NFC Tag Protection: Secs. 3, 4, 4.3, 5, Table 5</p>
JP	7,413,594	1	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1  Communications Protocol: Sec. 6.1  NFC Tag Protection: Secs. 2, 2.1, 3.2, and 4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Communications Protocol: Sec. 6.1  NFC Tag Protection: Secs. 2, 3, 4</p>
JP	7,423,551	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 1, 2.1, 6.6.5.1, 6.6.5.3, 8.9; Figs. 21, 23, and 25  Foreign Object Detection: Sec. 5</p> <p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 1, 2.1, 6.6.5.1, 6.6.5.3, 8.9; Figs. 21, 23, and 25  Foreign Object Detection: Sec. 5</p>
JP	7,449,083	1	<p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 1  Communications Protocol: Fig. 4  Foreign Object Detection: Sec. 4.1; Fig. 18; Annex B.1</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
JP	7,467,716	1	Qi Specification v.1.3.1 Introduction: Sec. 3.1 Communications Protocol: Fig. 21 NFC Tag Protection: Secs. 3, 3.1, 4, and 5 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Fig. 21 NFC Tag Protection: Secs. 3, 4, and 5
JP	7,469,534	1	Qi Specification v.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1, 2.2.1, 4.1.3, 6, 6.6, 6.6.1, 6.6.5.3, 7 and 8.9; Figs. 21, 25, and 27; Tables 27 and 40 Foreign Object Detection: Secs. 4 and 4.1.3 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1, 2.2.1, 4.1.3, 6, 6.6, 6.6.1, 6.6.5.3, 7 and 8.9; Figs. 21, 25, and 27; Tables 27 and 40 Foreign Object Detection: Secs. 4 and 4.2.3
JP	7,496,459	1	Qi Specification v.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1, 1.2, 6, 6.6.5.3, 7, and 8.9; Figs. 21, 22; Table 27 Foreign Object Detection: Secs. 4 and 4.1.3 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1, 1.2, 6, 6.6.5.3, 7, and 8.9; Figs. 21, 22; Table 27 Foreign Object Detection: Secs. 4 and 4.2.3
JP	7,514,110	1	Qi Specification v.1.3.1 Introduction: Sec. 3.1 Communications Protocol: Secs. 2 and 8.15 Foreign Object Detection: Secs. 5.2.2, 5.2.3; Fig. 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2 and 8.15 Foreign Object Detection: Secs. 5.2.2, 5.2.3; Fig. 12
JP	7,525,564	1	Qi Specification v.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1.2, 8.9; Fig. 21; Table 27 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 8.9; Fig. 21; Table 27
JP	7,538,915	1	Qi Specification v.1.3.1 Introduction: Sec. 3.1 Communications Protocol: Fig. 11 NFC Tag Protection: Secs. 3.2, 4, 4.3.2, and 4.3.3.2 Qi Specification v.2.0 (Apr. 2023) Qi Specification v.1.3.1 Introduction: Sec. 3.1 Communications Protocol: Fig. 11 NFC Tag Protection: Secs. 3.2, 4, 4.3.2, and 4.3.3.2
JP	7,592,830	1	Qi Specification v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 7, 8.15; Table 32 Foreign Object Detection: Sec. 5.2.2; Fig. 14 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 7, 8.15; Table 32 Foreign Object Detection: Sec. 5.2.2; Fig. 15

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
JP	7,614,725	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Fig. 2 Foreign Object Detection: Annex B.2.1 MPP System: Secs. 6.2.1, 6.3.8.1
JP	7,614,750	1, 7	Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 1 Communications Protocol: Sec. 5; Fig. 11 Power Delivery: Sec. 16.1.2
JP	7,620,665	1	Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 1 Communications Protocol: Secs. 6, 8.9; Fig. 21; Table 27 Foreign Object Detection: 4, 4.2, 4.2.3
JP	7,624,045	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 2 MPP System: Secs. 3.2.3, 3.3.1, 7.1.4; Fig. 12
JP	7,630,234	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2, 6.1, and 8.15 Power Delivery: Sec. 3.2; Fig. 3 Foreign Object Detection: Secs. 5.2.3.2, 5.2.3.3; Fig. 13
JP	7,645,952	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 8.7; Table 24 MPP Communications Protocol: Secs. 3.3.1, 3.3.3; Figs. 3.3 and 3.6
JP	7,654,858	1	Qi Specification, v.1.3.1 (Aug 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 5.6.1, 8.11; Fig. 11 NFC Tag Protection: Secs. 2.2.1, 3.2, and 4 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 5, 6.1, 8.11; Fig. 11 NFC Tag Protection: Secs. 2.1.1, 3, and 4
JP	7,655,976	1	Qi Specification, v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.7 and 8.9; Figs. 21, 22; Table 27
JP	7,667,899	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Foreign Object Detection: Annex B.1 MPP System Specification: Secs. 4.3.1.2, 4.7.1.1, 4.7.1.2, 4.7.1.3, 6.1, 6.2.1; Fig. 7.2.1

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
JP	7,686,122	1	Qi Specification v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Power Delivery: Sec. 3; Figs. 3, 4 Communications Protocol: Secs. 2, 5, 8.11, 8.15; Fig. 11 Foreign Object Detection: Secs. 5.2.2, 5.2.3; Fig. 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Power Delivery: Sec. 3; Figs. 3, 4 Communications Protocol: Secs. 2, 5, 8.11, 8.15; Fig. 11 Foreign Object Detection: Secs. 5.2.2, 5.2.3; Fig. 13
JP	7,707,088	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 5, 8.11; Fig. 11; Table 29 MPP Communications Protocol Secs. 4.3.1; 4.3.2, 7.1.18; Figs. 4.5 and 7.18; Tables 7.1.18 and 7.22
JP	7,710,552	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Glossary: Sec. 1 Communications Protocol: Secs. 4, 5, 8.11, Figs. 4, 11; Table 29 Foreign Object Detection: Secs. 4.1; Figs. 3, 18; Annex B.1
JP	7,743,598	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 5, 8.11, Figs. 2, 11 Foreign Object Detection: Annex B 2.1; Fig. 19 MPP System Specification: Secs 6.2.1, 6.3.7.1
JP	7,748,586	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 2 MPP Communications Protocol: Secs 3.3.1, 3.3.3, 3.4, 3.4.6, and 7.1.4; Fig. 3.3; Table 7.6
JP	7,748,589	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 2; Fig. 11 MPP Communications Protocol: Secs 3.3.1, 3.3.2, 3.3.3 and 7.1.4; Fig. 3.3 and 3.4
JP	7,756,766	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 MPP Communications Protocol: Secs 3.2.4, 3.4.8, 5.1, 5.3, 5.5, and 7.1.7
JP	7,759,519	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 8.7 MPP Communications Protocol: Secs 3.3.1, 3.3.3; Figs 3.3, 3.6
KR	859,445	1	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.2, 1.5, 3.1, 3.1.2, 5.2, 5.2.1, 5.2.3.5, 5.3, 5.3.1, Fig. 5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 3.1, 3.1.2, Fig. 226
KR	874,837	5	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.2, 1.5, 5.1.1, 5.1.1.1, 5.1.2.6, 5.1.3.4.2, 5.1.3.4.2.4, 5.1.3.6, 5.2.3.2, 5.2.3.5, 6, 6.1, 9, Figs. 16, 18, Table 29
KR	915,842	1	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 5.1.1, Annex B.2.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 2.2.33, 2.2.33.1, 2.2.33.1.1, Fig. 138, 139, 140, 141, 142, Table 99

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
KR	928,439	1	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 5.1.1, Annex B.2.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 2.2.33, 2.2.33.1, 2.2.33.1.1, Fig. 138, 139, 140, 141, 142, Table 99
KR	971,701	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 4.4, 4.5, Figs. 4, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 5.1.2, 5.1.2.6, 13, 13.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, 2.2.21.1.1, 2.2.32.1.1, 2.2.33.1.1, 2.3.2, A2, A14, A19, A21, B1, Figs. 3-73, 141(c), 142
KR	971,737	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 5.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 5.1.1, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.2.6, 5.2.3, 5.2.3.2, 5.2.3.5, Figs. 16, 24, Tables 11, 14, 28, 29, 32, 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, 2.1, A2, A14, A19, A21, B1, Fig. 141(c)
KR	971,748	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.2.4, 4.2, 5.1.1, 5.1.2.2, 5.1.2.3, 5.1.2.6, 5.2.1, 5.2.3.2, 5.2.3.5, Fig. 7, Tables 28, 29, 32, 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, e.g., A2, B2
KR	976,120	1	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.4, 5.1.3, 5.1.3.2, 5.1.3.4.2.4, 5.2, 5.2.1, 5.3, 5.3.1, Fig. 5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 2.2.14, Fig. 48
KR	976,163	8	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.2, 1.5, 5.1.1, 5.1.2.3, 5.2.3.8, 10, 10.1, B.2, B.2.1, Fig. 50 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 2.2.4, 2.2.4.1, 2.2.4.1.1, 2.2.4.1.2, Figs. 10, 11, 12, 13
KR	1,037,432	1, 6	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 3, 3.1 Communications Protocol: Secs. 2, 4, 4.1, 4.1.3, 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.5, 5.1, 5.1.5, Figs. 4-8, 10, 13, Table 11 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3, 3.1 Communications Protocol: Secs. 2, 4, 4.1, 4.1.3, 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.5, 5.1, 5.1.5, Figs. 4-8, 10, 13, Table 11
KR	1,179,126	1, 5	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3, 3.1 Communications Physical Layer: 2, 2.4, Fig. 5 Communications Protocol: Sec. 2.3 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3, 3.1 Communications Physical Layer: 2, 2.4, Fig. 5 Communications Protocol: Sec. 2.3
KR	1,304,314	1	Qi Specification v.2.0 (Apr. 2023) PTx Ref. Designs: Secs. 40, 40.2; Figs. 90, 93 Foreign Object Detection: Annex B. 2.2; Fig. 20
KR	1,350,312	1	Qi Specification v.2.0 (Apr. 2023) NFC Tag Protection: Secs. 1.2, 4.1, 4.1.1, 4.2, 4.2.2; Figs. 2, 6 PTx Ref. Designs: Sec. 60, 60.2; Figs. 128, 132
KR	1,434,416	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 3, 3.1, 3.2.2 Power Transmitter Reference Designs: Secs. 44, 44.2, 44.2.1, Figs. 173, 177, 179

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
KR	1,552,480	1	<p>Qi Specification v.1.3.1 (August 2021)  Glossary: Sec. 1  Introduction: Secs. 3, 3.1, and 4.5  Communications Protocol: Secs. 3, 8, 8.11, 9, 9.7; Table 29  Qi Specification v.2.0 (Apr. 2023)  Glossary: Sec. 1  Introduction: Secs. 3, 3.1, and 4.5  Communications Protocol: Secs. 3, 8, 8.11, 9, 9.7; Table 29</p>
KR	1,601,909	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 1.2, 2.1, 2.2.1, 4, 6, 6.2, 7, 8.18, 8.18.3, 9.4, Figs. 2, 3, 4, 5, 11, 21, Tables 35, 36, 38, 47  Power Delivery: Sec. 7  Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 1.2, 2.1, 2.2.1, 4, 6, 6.2, 7, 8.18, 8.18.3, 9.4, Figs. 2, 3, 4, 5, 11, 21, Tables 35, 36, 38, 47  Power Delivery: Sec. 7</p>
KR	1,653,759	20	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.2, 1.5, 5.1.1, 5.1.2.2, 5.1.3.2, 10. 10.1, B.2, B.2.1, B.2.2, Figs. 19, 44, 50, 51, Tables 8, 63  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.2, 2.2.6, 2.2.6.1, 2.2.6.1.1, Fig. 17</p>
KR	2,083,407	1	<p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 4, 6, 6.3, 6.6, 6.6.1, 8.9; Figs. 21, 22; Table 27  Power Delivery: Secs. 2, 3, 3.6; Figs. 2-4  Foreign Object Detection: Secs. 4.2, 4.2.1, 4.2.2  PRx Design Examples: Secs. 2.2, 3.2, 4.2, 5.2, 6.2; Figs. 4, 8.11, 14, 17</p>
KR	2,108,502	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 1.2, 2.1, 2.2.1, 6, 6.6.5.1, 6.6.5.6, 7, 8.10, 8.18.3, 9.4, Figs. 2, 3, 22, 24, 28, Tables 28, 38, 47  Power Delivery: Sec. 7  Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 1.2, 2.1, 2.2.1, 6, 6.6.5.1, 7, 8.10, 8.18.3, 9.4, Figs. 2, 3, 22, 24, 28, Tables 28, 38, 47  Power Delivery: Sec. 7</p>
KR	2,136,667	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.5, 3.1, 5.1.1, 5.1.3.3, 5.1.3.6, 5.2.3.7, 5.2.3.11, 11.4 11.4.1, 11.4.2, 11.5, Figs. 5, 16, 47</p>
KR	2,205,359	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 5.1.1, 5.1.3.3, 5.1.3.6, 5.2.2, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, 11.4.2, 11.5, Figs. 5, 16, 41, Table 34, 39</p>
KR	2,211,665	13	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 5.1.1, 5.1.3.3, 5.2.2, 5.2.3.7, 11, 11.2, 11.5, Figs. 4, 16, 48, Table 34</p>
KR	2,338,396	11	<p>Qi Specification v.1.3.1 (Aug 2021)  Communications Protocol: Secs. 6, 6.3, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3 and 8.9; Figs. 21, 22, 23, and 25; Table 27  Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 6, 6.3, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3 and 8.9; Figs. 21, 22, 23, and 25; Table 27</p>
KR	2,509,314	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 1.2, 2.1, 6, 6.6, 6.6.1, 6.6.5.1, 6.6.5.3, 7, 8.9, Figs. 2, 22, 23, 24, 26, 41, Table 27  Foreign Object Detection: Secs. 4, 5  Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 1.2, 2.1, 6, 6.6, 6.6.1, 6.6.5.1, 6.6.5.3, 7, 8.9, Figs. 2, 22, 23, 24, 26, 41, Table 27  Foreign Object Detection: Secs. 4, 5</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
KR	2,592,807	1	<p>Qi Specification v.1.3.1 (Aug. 2021) Introduction: Sec. 4.1 Glossary: Sec. 1 Communications Protocol: Secs. 1.2, 6, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.9; Figs. 21, 22, 23, and 25; Table: 27</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 4.1 Glossary: Sec. 1 Communications Protocol: Secs. 1.2, 6, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.9; Figs. 21, 22, 23, and 25; Table: 27</p>
KR	2,617,560	1	<p>Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 1 Communications Protocol: Secs. 1.2, 6, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.9; Figs. 21, 22, 23, and 25; Table: 27 Foreign Object Detection: Secs. 4.1.2, 4.1.3; Fig. 5 Power Delivery: Sec. 3; Fig. 3</p> <p>Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 1 Communications Protocol: Secs. 1.2, 6, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.9; Figs. 21, 22, 23, and 25; Table: 27 Foreign Object Detection: Secs. 4.2.2, 4.2.3; Fig. 5 Power Delivery: Sec. 3; Fig. 3</p>
KR	2,644,912	1	<p>Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 1 Communications Protocol: Secs. 1.2, 6, 6.3, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.7, and 8.9; Figs. 22, 23, 24, and 26; Tables: 24 and 27 Foreign Object Detection: Secs. 4.1.2; Fig. 5</p> <p>Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 1 Communications Protocol: Secs. 1.2, 6, 6.3, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.7, and 8.9; Figs. 22, 23, 24, and 26; Tables: 24 and 27 Foreign Object Detection: Secs. 4.2.2; Fig. 5</p>
KR	2,678,518	1	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1 Communications Protocol: Sec. 6; Fig. 21 NFC Tag Protection: Secs. 2.2.1, 3, 3.1, and 4; Tables 5 and 6</p> <p>Qi Specification, V.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 6; Fig. 21 NFC Tag Protection: Secs. 2.2.1, 3, and 4; Tables 5 and 6</p>
KR	2,719,208	15	<p>Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.5, and 8.9; Figs. 3, 21, 22, 23, and 25; Tables 22 and 27 Power Delivery: Secs. 2, 3, 3.2, and 3.3; Figs. 2 and 4 Foreign Object Detection: Secs. 5.2 and 5.2.2; Fig. 12 PRx Design Examples: Secs. 3.2, 5.2, and 6.2; Figs. 8, 14 and 17</p>
KR	2,764,634	1	<p>Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 1 Communications Protocol: Secs. 2, 6, 8.9; Fig. 21; Table 27 Foreign Object Detection: Secs. 2, 4, 4.2, 4.2.2, 4.2.3; Figs. 4, 6</p>
LI	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
LI	2,375,532	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
LI	2,403,100	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30
LI	2,446,600	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
LI	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
LI	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
LI	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40
LI	2,909,917	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2
LI	3,487,028	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2
LI	4,138,309	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
LT	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
LT	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
LT	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
LT	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
LT	4,250,524	11	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
LU	C0 3,335,926	11	<p>Qi Specification v.1.3.1 Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p>
LU	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p>
LU	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3.1; Fig. 6 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
LU	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
LU	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
LV	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>
LV	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
LV	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
LV	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
LV	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11  Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
MT	C0 3,335,926	11	<p>Qi Specification v.1.3.1  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1  Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1 and 4.6  Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6  Power Delivery: Secs. 2 and 15; Fig. 2  Foreign Objection Detection: Secs. 2 and 3  PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116  Mechanical, Thermal, and User Interface: Sec. 5.1  Glossary: Sec. 1</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
MT	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
MT	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
MT	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
MT	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
NL	2,066,000	10, 11	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6  The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 3, 3.1.1, 3.1.2, 3.1.3, 3.1.7, 5.1, 5.1.1, 5.1.3.2, 5.1.3.3, 5.2.1, 5.2.3.5, 5.2.3.8, Figs. 4, 5, 17, Tables 33, 35  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 3.2.2, Fig. 255</p>
NL	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
NL	2,372,863	1, 11	<p>The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.2.6, 5.2.3.4, 5.2.3.11, 11.4, 11.4.1, Fig. 47, Tables 31, 39</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
NL	2,375,532	7	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
NL	2,394,350	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 4, 4.2.1, 4.2.2, 8.17, Figs. 2, 4, 6, Table 34
NL	2,403,100	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30
NL	2,416,599	5	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, 4.5, Fig. 4 Communications Protocol: Secs. 4, 4.2.1, 8.17, Figs. 4, 6, Table 34 Power Delivery: Sec. 16.1 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, 4.5, Fig. 4 Communications Protocol: Secs. 4, 4.2.1, 8.17, Figs. 4, 6, Table 34 Power Delivery: Sec. 16.1
NL	2,446,600	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
NL	2,683,051	5	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 4, 5.1, 5.1.2, 5.1.6.1, 7.1, 7.1.1, 8.3, 8.5, 8.11, Figs. 4, 12, 14, 42, Tables 20, 22, 29 Power Delivery: Sec. 10, Fig. 13 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 4, 5.1, 5.1.2, 5.1.6.1, 7.1, 7.1.1, 8.3, 8.5, 8.11, Figs. 4, 12, 14, 42, Tables 20, 22, 29 Power Delivery: Sec. 10, Fig. 13
NL	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
NL	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
NL	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
NL	2,909,917	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p>
NL	3,185,262	12	<p>Qi Specification, v.1.3.1 (Aug. 2021)            Introduction: Sec. 3.1            Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21            PTx Reference Designs: Secs. 47, 47.2, Fig. 188</p> <p>Qi Specification, v.2.0 (Apr 2023)            Introduction: Sec. 3.1            Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21            PTx Reference Designs: Secs. 48, 48.2, Fig. 103</p>
NL	C0 3,335,926	11	<p>Qi Specification v.1.3.1            Introduction: Secs. 3.1 and 4.6            Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6            Power Delivery: Secs. 2 and 15; Fig. 2            Foreign Objection Detection: Secs. 2 and 3            PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224            Mechanical, Thermal, and User Interface: Sec. 5.1            Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023)            Introduction: Secs. 3.1 and 4.6            Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6            Power Delivery: Secs. 2 and 15; Fig. 2            Foreign Objection Detection: Secs. 2 and 3            PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116            Mechanical, Thermal, and User Interface: Sec. 5.1            Glossary: Sec. 1</p>
NL	3,373,461	1	<p>Qi Specification v.2.0 (Aug. 2023)            Introduction: Sec. 3.1            Communications Protocol: Secs. 2.1, 4.2.1, 5, 5.1.5, 6 and 8.9; Fig. 2; Table 27            Power Delivery: Secs. 2 and 3; Figs. 2 and 3            Foreign Object Detection: Sec. 4.2.2 and Annex A; Fig. 6            PRx Test Tools: Sec. 5; Fig. 8</p>
NL	3,389,191	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47            Power Delivery: Sec. 7</p> <p>Qi Specification v.2.0 (Apr. 2023)            Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47            Power Delivery: Sec. 7</p>
NL	3,407,466	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.2.5, 5.2.1.5, 11.3, 11.3.2, 11.4.3, 11.4.3.2, Fig. 23            The Qi Wireless Power Transfer System, Power Class 0 Specification, Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
NL	3,487,028	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34            The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
NL	3,640,836	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264
NL	3,829,027	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4
NL	4,044,401	1	Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22
NL	4,138,309	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47
NL	4,195,452	4	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3.1; Fig. 6 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12
NL	4,221,094	6	Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
NL	4,250,524	11	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
NO	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
NO	4,044,401	1	<p>Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p>
NO	4,221,094		<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
PL	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
PL	2,375,532	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
PL	2,446,600	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25</p>
PL	2,689,512	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
PL	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, , Figs. 16, 18, Table 11
PL	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40
PL	2,909,917	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32 Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12 Power Delivery: Sec. 2, Fig. 2
PL	3,407,466	1	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.2.5, 5.2.1.5, 11.3, 11.3.2, 11.4.3, 11.4.3.2, Fig. 23 The Qi Wireless Power Transfer System, Power Class 0 Specification, Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
PL	3,972,088	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4
PL	4,044,401	1	Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22 Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22
PL	4,138,309	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
PL	4,221,094	6	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
PT	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
PT	C0 3,335,926	11	<p>Qi Specification v.1.3.1 Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p>
PT	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p>
PT	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3.1; Fig. 6 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
PT	4,221,094	6	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
PT	4,250,524	11	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
RO	C0 3,335,926	11	<p>Qi Specification v.1.3.1 Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p>
RO	3,640,836	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264</p>
RO	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
RO	4,044,401	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Glossary: Sec. 2  Introduction: Secs. 3.1, 4.2  NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6  Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p> <p>Qi Specification v.2.0 (Apr. 2023)  Glossary: Sec. 2  Introduction: Secs. 3.1, 4.2  NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5  Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p>
RO	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
RO	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
RO	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
SE	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>
SE	2,375,532	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
SE	2,403,100	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30</p>
SE	2,446,600	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25</p>

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Ctry.	Patent	CI	Standards / Sections
SE	2,689,512	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21            Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7            Power Delivery: Sec. 2, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023)            Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21            Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8            Power Delivery: Sec. 2, Fig. 2</p>
SE	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
SE	2,880,736	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Introduction: Sec. 3, Fig. 6            Glossary: Sec. 1            Communications Physical Layer: Sec. 2            Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p> <p>Qi Specification v.2.0 (Apr. 2023)            Introduction: Sec. 3, Fig. 6            Glossary: Sec. 1            Communications Physical Layer: Sec. 2            Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40</p>
SE	2,909,917	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p>
SE	3,185,262	12	<p>Qi Specification, v.1.3.1 (Aug. 2021)            Introduction: Sec. 3.1            Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21            PTx Reference Designs: Secs. 47, 47.2, Fig. 188</p> <p>Qi Specification, v.2.0 (Apr. 2023)            Introduction: Sec. 3.1            Communications Protocol: Secs. 1, 1.6, 7, and 8.5; Fig. 21            PTx Reference Designs: Secs. 48, 48.2, Fig. 103</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
SE	C0 3,335,926	11	<p>Qi Specification v.1.3.1 Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p>
SE	3,389,191	1	<p>Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47 Power Delivery: Sec. 7</p> <p>Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 29, 69, Tables 35, 36, 38, 47 Power Delivery: Sec. 7</p>
SE	3,487,028	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2</p>
SE	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21 Power Delivery: Secs. 3, 3.2; Fig. 4 Foreign Object Detection: Sec.4</p>
SE	3,972,088	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p> <p>Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p>
SE	4,044,401	1	<p>Qi Specification v.1.3.1 (Aug. 2021) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.2, 2.2.1, 3, 3.1, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Tables 5 and 6 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p> <p>Qi Specification v.2.0 (Apr. 2023) Glossary: Sec. 2 Introduction: Secs. 3.1, 4.2 NFC Tag Protection: Secs. 1.2, 2.1, 2.1.1, 3, 4, 4.3, 4.3.2, 4.3.2.1.1, and 4.3.3.2; Table 5 Communications Protocol: Secs. 2.1, 4, 4.1, 4.1.3, 6.6, 6.6.1, 6.7.3; Figs. 2, 5, and 22</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
SE	4,138,309	1	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 1.5.1, 2.1, 5, 6, 7.2, 7.2.1, 8.1, 8.2, 8.4, 9.1, 9.2, 9.4; Figs. 2, 11, 21, 46; Tables 18, 19, 21, 44, 45, 47</p>
SE	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3.1; Fig. 6 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1; Fig. 3 Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32 Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
SE	4,221,094	6	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs. 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs. 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
SE	4,250,524	11	<p>Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs. 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs. 2, 4, 43, 46, 51; Tables 23, 32, 43 Communications Physical Layer: Sec. 3.5; Fig. 11</p>
SI	C0 3,335,926	11	<p>Qi Specification v.1.3.1 Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 54, 54.1.1, and 54.1.3; Figs. 221 and 224 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p> <p>Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1 and 4.6 Communications Protocol: Secs. 4.2.1, 7, 7.3.7, and 8.9; Fig. 6 Power Delivery: Secs. 2 and 15; Fig. 2 Foreign Objection Detection: Secs. 2 and 3 PTx Reference Designs: Secs. 55, 55.1.1, and 55.1.3; Figs. 113 and 116 Mechanical, Thermal, and User Interface: Sec. 5.1 Glossary: Sec. 1</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
SI	3,829,027	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 1, 6, 6.6.1, 6.6.5.3, 6.7.2, 7, and 8.9; Fig. 21  Power Delivery: Secs. 3, 3.2; Fig. 4  Foreign Object Detection: Sec.4</p>
SI	4,195,452	4	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1; Fig. 6  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 4, 7, 7.1, 8.15; Figs. 2, 4, 43; Table 32  Foreign Object Detection: Secs. 5, 5.2.2, 5.2.3; Figs. 11, 12</p>
SI	4,221,094	6	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47  Power Delivery: Sec. 11.1  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
SI	4,250,524	11	<p>Qi Specification v.1.3.1  Introduction: Sec. 3.1; Fig. 4  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 1  Communications Protocol: Secs. 2.1, 4, 6.6.5.6, 7.1, 7.1.3, 7.2, 7.2.1, 7.2.3, 7.2.4.2, 8.6, 8.15, 9; Figs 2, 4, 43, 46, 51; Tables 23, 32, 43  Communications Physical Layer: Sec. 3.5; Fig. 11</p>
SK	2,357,715	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
SK	4,221,094	6	Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 6 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Glossary: Sec. 1 Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47 Power Delivery: Sec. 11.1 Communications Physical Layer: Sec. 3.5; Fig. 11
TR	2,357,715	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.1, 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.6, 5.1.2.6.1, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3.1, Fig. 28, Table 27, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.2.13, 2.2.13.1, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, Figs. 43, 45, 46
TR	2,375,532	7	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.6, 5.2.3.3, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.4, 11.4.1, Figs. 16, 17, 47, Tables 30, 31, 34, 39 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
TR	2,403,100	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.2.1, 5.2.2, 5.2.2.1, 5.3.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30
TR	2,436,096	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 5.1.1, 10, 10.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.6, 2.2.6.1.1, Figs. 15, 17
TR	2,446,600	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25
TR	2,689,512	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 6, 7 Power Delivery: Sec. 2, Fig. 2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 7, 7.3.3, 8, 8.4, Fig. 62, Tables 17, 21 Foreign Object Detection: Secs. 5.1.1, Figs. 7, 8 Power Delivery: Sec. 2, Fig. 2
TR	2,867,997	17	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, , Figs. 16, 18, Table 11
TR	2,880,736	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Fig. 2, Tables 5, 25, 36, 40

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
TR	2,909,917	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023)            Communications Protocol: Secs. 2.1, 8, 8.15, Fig. 2, Tables 4, 17, 32            Foreign Object Detection: Secs. 5.1.2, 5.2, 5.2.1, Figs. 9, 12            Power Delivery: Sec. 2, Fig. 2</p>
TR	3,123,587	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.3.5, 5.1.4, 11.1, 11.3.2, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Fig. 27</p>
TR	3,403,313	1	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, Fig. 17</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.2.10, Figs. 27, 30</p>
TR	3,407,466	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.2.5, 5.2.1.5, 11.3, 11.3.2, 11.4.3, 11.4.3.2, Fig. 23</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Specification, Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27</p>
TR	3,487,028	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.16, 5.1, 5.1.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10, Figs. 16, 18, 19, Tables 8, 34</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.13.2</p>
TR	3,640,836	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.5, 3.1, 3.1.1, 3.1.6, 3.2.4, 5.1, Figs. 4, 6, 16, Table 7, Annex B.3</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2, Figs. 251, 255, 258, 261, 264</p>
TR	3,972,088	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)            Introduction: Sec. 3.1</p> <p>Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p> <p>Qi Specification, v.2.0 (Apr. 2023)            Introduction: Sec. 3.1</p> <p>Communications Protocol: Secs. 2.1, 2.2, 4, 6.6.5.6, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4</p>
TR	4,221,094	6	<p>Qi Specification v.1.3.1            Introduction: Sec. 3.1; Fig. 6            Glossary: Sec. 1</p> <p>Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47</p> <p>Power Delivery: Sec. 11.1</p> <p>Communications Physical Layer: Sec. 3.5; Fig. 11</p> <p>Qi Specification v.2.0 (Apr. 2023)            Introduction: Sec. 3.1; Fig. 3            Glossary: Sec. 1</p> <p>Communications Protocol: Secs. 2.2, 2.2.1, 4, 6.6.5.6, 7, 8.6, 8.15, 9.4; Figs 3, 4, 28; Tables 5, 23, 32, 47</p> <p>Power Delivery: Sec. 11.1</p> <p>Communications Physical Layer: Sec. 3.5; Fig. 11</p>
US	7,385,357	6	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.11, 5.1.2.6.1, 5.2, Fig. 17
US	7,825,625	1	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 4.5, Fig. 4</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&amp;2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 2.2, 5.1.1, 5.1.2.6.1, 5.1.3.6, 5.2.1, 5.3.1, Figs. 16 and 17</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.2.2, Fig. 6</p>
US	7,868,587	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.1.6, 5.2.1, 5.2.2.1, 5.3.2.1, 11.1, 11.2, Figs. 4, 35</p> <p>The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 3.1, 3.1.2, 3.2, 3.3, 3.4, Figs. 251, 255, 258, 261</p>

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Ctry.	Patent	CI	Standards / Sections
US	8,004,235	22	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 3.1.4, 3.2.1, 5.1.1, 5.1.2.6.1, 5.1.3.6, 5.2.1, 5.2.2.1, 5.2.3.2, 5.2.3.8, 5.1.1.1, Figs. 4, 17, Tables 28, 30 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 3.1.2, Figs. 251, 255, 258, 261
US	8,097,984	20	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1.4, 5.2.1, 5.2.2.1, 5.2.2.3, 5.2.3.7, 5.2.3.8, 5.1.1.1, Figs. 16, 18, Tables 34-36 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.11.1, 2.2.11.2, Figs. 31 and 34
US	8,188,854	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 3.1.4, 5.2.1, 5.2.2.1, 5.2.2.2, Fig. 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2, 2.2.11.1 Fig. 31
US	8,258,653	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.2, 5.1.2.1, 5.1.2.3, 5.1.2.3.1, 5.1.2.6, 5.1.2.6.1, 3.2.4, 10, 10.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, 2.1, 2.3.6, 2.3.6.2, 2.3.6.3, Fig. 180
US	8,290,463	1, 3, 6, 7	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Sec. 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Secs. 1.5, 4, 4.2, Figs. 29, 49, 52, 53, 54, 55, Annex B The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.10, Figs. 27, 30
US	8,299,753	1, 15	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Sec. 1.5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.6, 2.3.1, 2.4.6, Figs. 16, 17, 151, 152, 161, 162, 164, 210, 211, 212, Tables 8, 108, 145, 146
US	8,344,552	42	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 4.4, Fig. 5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 3.2.4, 5.1.3.6, 5.2.2.4, Fig. 10
US	8,406,165	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1, Fig. 6 Communications Protocol: Secs. 2.3, 4, 4.1, 5, 5.1, Figs. 4, 5, 12, 13 Power Reference Transmitter Designs: Secs. 2.1, 2.2 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, Fig. 3 Communications Protocol: Secs. 2.3, 4, 4.1, 5, 5.1, Figs. 4, 5, 12, 13 Power Reference Transmitter Designs: Secs. 2.1, 2.2
US	8,427,011	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 4.4, 4.5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.2, 5.1.2.6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 2.2, 2.2.21.1.1, 2.2.32.1.1, 2.2.33.1.1, 2.3.1.1.2, 2.3.2, Figs. 3-73, 24, 67, 76, 107, 124, 130, 131, 137, 141, 141(c), 142, 145, 146, 152, 159, 166, 173
US	8,446,046	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1, 5.1.2.2, 5.1.2.1, 5.1.2.3, 5.1.3, 5.1.3.2, 5.1.3.3, 5.2.3.7, 10
US	8,471,410	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 4.4, Fig. 5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1.1, 3.1.1, 3.2.4, 8.1, Figs. 3, 6, 10, 43 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.2.1.2, 2.2.2.2, 3.1.1.2, Figs. 5, 6, 225
US	8,519,668	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Sec. 1.5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.6, 2.3.1, 2.4.6, Figs. 16, 17, 18, 151, 152, 162, 164, 210, 211, 212, Tables 8, 108, 145, 146
US	8,552,593	1, 12	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 3.2.2, 3.2.2.1, 5.1.1, 5.1.2.2, 5.1.2.6.1, 5.1.3, 5.1.3.6, 5.2, 5.2.1, 5.2.2.1, 5.2.2.2, 5.2.2.3, 5.2.3.4, 5.2.3.5, 5.2.3.6, 10, 10.1, 10.2, Figs. 16, 17, 19, 24, 35, 36, Tables 8, 24
US	8,554,165	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 5.2, 5.2.2, 5.2.2.1, Fig. 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 3.1, 3.2, 3.5, Figs. 251, 255, 264

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	8,558,412	1, 3, 15	Qi Specification v.1.3.1 (Aug. 2021) Introduction: Sec. 4.2 Glossary: Sec. 1 ("Operating Point") Communications Protocol: Secs. 7, 7.3.2, 8.5; Fig. 62; Table 22 Power Delivery: Secs. 2, 3, 3.4, 7, 10; Figs 2, 3, 11; Table 11 Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 4.2 Glossary: Sec. 1 ("Operating Point") Communications Protocol: Secs. 7, 7.3.2, 8.5; Fig. 62; Table 22 Power Delivery: Secs. 2, 3, 3.4, 7, 10; Figs 2, 3, 11; Table 11
US	8,587,154	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 3.1.1, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, 2.3.1, 2.3.1.1.1, 3.1, 3.1.2, Figs. 30, 150, 151, 153, 251
US	8,618,697	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 3.1.5, 5.1.1.1, 5.1.3.3, 5.2.1, 5.3.1, 5.3.3.2, 5.3.3.3, Figs. 4, 18, Tables 57, 58
US	8,620,484	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 2.1, 2.1.1, 3.1, 5.1.1.1, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.1, 11.4.1, Figs. 3, 4, 47, Table 31 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.1.3, 2.2.10.2, Figs. 27, 30
US	8,629,578	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 1, 3, 3.1.1, Fig. 5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 1.5.3.1.1, 3.2.4, 5.1.3.6, 5.2.3.2, Figs. 6, 10, Table 29 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.2, 2.2.2.2, Figs. 3, 6
US	8,664,914	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 4.5, 10, Annex B.3, Fig. 53 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.2, 2.2.2.1.4, Fig. 3
US	8,724,277	6	Qi Specification, V.1.3.1 (Aug. 2021) Communications Physical Layer: Secs. 2, 3 Power Delivery: Secs. 2, 16.1.3, 16.1, Figs. 2, 21 Qi Specification v.2.0 (Apr. 2023) Communications Physical Layer: Secs. 2, 3 Power Delivery: Secs. 2, 16.1.3, 16.1, Figs. 2, 21
US	8,760,010	8, 17	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 3.1.1, 3.2.1, 3.2.4, 5.1.2.6, 5.1.2.6.1, 5.1.3.6, 5.2.3.3, Fig. 4, Table 30 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2, 2.3
US	8,831,513	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2, 2.2.1, 2.2.11.1.2, Figs. 31, 34
US	8,843,095	11	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Secs. 3.1, 4.3, 4.5 Communications Physical Layer: Secs. 2, 2.1, 2.4, Fig. 2 Communications Protocol: Secs. 4, 4.1, 4.1.3, 5.1.6.1, 7.1, 7.1.1, 7.1.6.2, 7.3.2, 7.3.6, 8.7, Figs. 5, 13, 43, 45 Foreign Object Detection: 5.2.3 Power Delivery: Sec. 2, 15, 16.1, 16.1.1, Fig. 2 Power Transmitter Reference Designs: Sec. 4.1.2, Fig. 147

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Ctry.	Patent	CI	Standards / Sections
US	8,873,646	1	<p>Qi Specification v.1.3.1  Glossary: Sec. 1  Introduction: Secs. 3.1, 4.5  Communications Protocol: Secs. 3, 8, 8.1, 8.11, 8.13; Table 29  Qi Specification v.2.0 (Apr. 2023)  Glossary: Sec. 1  Introduction: Secs. 3.1, 4.5  Communications Protocol: Secs. 3, 8, 8.1, 8.11, 8.13; Table 29</p>
US	8,914,080	1, 12	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.2.2, 5.1.2.3.1, 5.2.3, 5.2.3.1, Figs.16, 17
US	8,952,655	1	<p>Qi Specifications v.2.0 (Apr. 2023)  Communications Protocol: Secs. 2.1, 5, 5.1, 8.4, 9.4, 9.6; Figs. 2, 11, 12; Tables: 21, 47, 49  Power Delivery: Sec. 3; Fig. 4</p>
US	9,001,922	12	<p>Qi Specification v.1.3.1  Introduction: Sec. 2; Fig. 2  Power Transmitter Reference Designs: Sec. 40; Fig. 139  Communications Protocol: Secs. 3, 4, 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.5; Figs. 4, 6, 7, and 9; Table 11  Power Delivery: Secs. 3, 15, 15.1, and 16.1; Figs. 4, 18; Table 14  Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 2; Fig. 2  Power Transmitter Reference Designs: Sec. 40; Fig. 90  Communications Protocol: Secs. 3, 4, 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.5; Figs. 4, 6, 7, and 9; Table 11  Power Delivery: Secs. 3, 15, 15.1, and 16.1; Figs. 4, 18; Table 14</p>
US	9,106,269	1	<p>Qi Specification v.1.3.1 (Apr. 2021)  Introduction: Sec. 3.1; Fig. 6  Power Delivery: Secs. 3, 3.4; Fig. 3  Communications Physical Layer: Secs. 2, 2.1, 2.2, 2.4; Figs. 2-5; Table 4  PTx Design Examples: Sec. 3.2; Fig. 8  Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1; Fig. 3  Power Delivery: Secs. 3, 3.4; Fig. 3  Communications Physical Layer: Secs. 2, 2.1, 2.2, 2.4; Figs. 2-5; Table 4  PTx Design Examples: Sec. 3.2; Fig. 8</p>
US	9,130,395	7	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 2.1.1, 3.1, 5.1.1, 5.1.2.2, 5.1.2.6, 5.1.3.2, 5.2.3.1, 5.2.3.3, 11.3, 11.4.1, 11.5, B.2, B.2.1, Fig. 5  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.4, 2.2.6, 2.2.13, 2.2.14, 2.2.19, 2.2.21, 2.2.28, 2.2.32, 2.2.33, 2.2.34, 2.3.1-2.3.7</p>
US	9,142,995	6	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 1.5, 3.2.4, 5.1.1, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 6.3.3, Figs.10, 16, 17, Tables 6-7, 26, 35
US	9,154,002	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 5.2.2.1, Fig. 35  The Qi Wireless Power Transfer System, Power Class 0 Spec, Part 3, V. 1.2.4:Feb 2018, Sec. 5.1  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.23, Figs. 88, 91</p>
US	9,178,376	1	<p>The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb. 2018, Secs. 5.1, 5.1.1, 5.1.3.2, 5.2.3.1, 11.1, B.2.1  The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.3, 2.2, 2.2.13, 2.2.13.1.1, 2.2.13.1.2, 2.2.13.2, 2.2.32, 2.2.33, 2.2.34, 2.3.1, 2.3.2, Figs. 39, 41, 42</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	9,224,533	1	Qi Specification v.1.3.1 (Aug. 2021) Power Delivery: Secs. 2, 3.1, 16.3, 16.3.2, and 10; Figs. 2, 11 Power Transmitter Reference Designs: Secs. 15, 15.2; Figs. 34, 37 Power Receiver Reference Designs: Secs. 4, 4.2; Fig. 11 Introduction: Secs. 3.1, 4.2
US	9,283,863	1	Qi Specification v.1.3.1 Introduction: Sec. 3.1; Fig. 5 Communications Protocol: Secs. 1, 2, 2.1, 2.2.1, 7; Fig. 2 Power Delivery: Secs. 11, 11.1 Glossary: Sec. 1 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 2 Communications Protocol: Secs. 1, 2, 2.1, 2.2.1, 7; Fig. 2 Power Delivery: Secs. 11, 11.1 Glossary: Sec. 1
US	9,318,912	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4 :Feb. 2018, Secs. 1.3, 1.5, 3.1, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.1.6, 5.1.3.1, Fig. 6, Annex B.3
US	9,319,494	1	Qi Specification, V.1.3.1 (Aug. 2021) Glossary: Sec. 1 Introduction: Sec. 3.1 Communications Physical Layer: Sec. 3 Communications Protocol: Sec. 7 Power Transmitter Reference Designs: Secs. 41.1, 41.1.1, Fig. 145
US	9,331,526	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 11.1, 11.4.1, Figs. 18, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 30
US	9,362,779	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.1.1, 5.1.2.2, 5.1.2.6, 5.1.3.6, 5.2.3.2, 10, 10.1, Figs. 16, 18, 19, 44, Tables 29, 63
US	9,401,623	1	Qi Specification v.1.3.1 (August 2021) Power Delivery: Sec. 3; Fig. 4 Communications Protocol: Secs. 2.1, 5.1, 8.4; Figs. 2 and 12; Table 21 Qi Specification v.2.0 (Apr. 2023) Power Delivery: Sec. 3; Fig. 4 Communications Protocol: Secs. 2.1, 5.1, 8.4; Figs. 2 and 12; Table 21
US	9,419,478	13	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 3.1, 3.2.4, 5.1.1, 5.1.3.6, 5.2.3.3, 11.4.2, 11.5, Table 7 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.2.20.2
US	9,438,069	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 2, 3, 3.1.2, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 5, 10, Fig. 18, Annex B.4.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.15, 2.2.15.1.4, Fig. 53
US	9,455,593	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3; Fig. 3 Power Delivery: Secs. 2, 3; Figs. 2, 3 MPP System Specification: Secs. 4.6.2.7, 4.9.2.2, 5.3.2.1; Figs. 6.3.2.1:67 and 6.3.2.1:68
US	9,490,654	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 11.4, 11.4.1, 11.4.3, 11.4.3.1, Figs. 23, 47
US	9,520,738	1	Intro. to the Power Class 0 Spec., V. 1.2.4:Feb. 2018, Sec. 3, Figs. 4, 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3, 2.1.1, 3.1.1

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	9,524,822	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.4, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27, 30
US	9,531,197	12	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 1.2, 1.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 3.2.1, 5.1.1, 5.1.2.2, 10, Fig. 16, Annex B.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2, 2.3, A14, A19, A21
US	9,564,263	1	Qi Specification v.1.3.1 PTx Reference Designs: A14, Secs. 17, 17.1.1, 17.1.2; Fig 46 Qi Specification v.2.0 (Apr. 2023) PTx Reference Designs: A14, Secs. 17, 17.1.1, 17.1.2; Fig 30
US	9,583,964	1	Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 4, 6, 6.3, 6.6, 6.6.1, 6.6.4, 8.9; Figs. 4, 21, 22 Power Delivery: Sec. 3; Figs. 3, 4 Foreign Object Detection: Secs. 4, 4.2, 4.2.1, 4.2.2, 4.2.3; Annex A PRx Reference Designs: Secs. 2.2, 3.2, 4.2, 5.6, 6.2; Figs. 4, 8, 11, 14, 17
US	9,607,757	22	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Secs. 3, 3.1, Fig. 6 Glossary: Sec. 1 NFC Tag Protection: Secs. 4.1.2, 5, 5.1, 5.2, Fig. 3 Power Receiver Design Examples: Secs. 2.1.1, 2.1.2, Figs. 2, 3, Table 4 Qi Specification, V. 2.0 Introduction: Secs. 3, 3.1, Fig. 3 Glossary: Sec. 1 NFC Tag Protection: Secs. 4.1.2, 5, 5.1, 5.2, Fig. 3 Power Receiver Design Examples: Secs. 2.1.1, 2.1.2, Figs. 2, 3, Table 4
US	9,608,474	1, 9	Intro. to the Power Class 0 Spec., V. 1.2.4:Feb. 2018, Sec. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 3.1.4, 3.1.5, 5.2, 5.2.1, Figs. 4, 5, 6, 16, 18
US	9,612,353	7	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 4.2 Power Delivery: Secs. 5.2, 10; Fig. 11; Table 11 Foreign Object Detection: Sec. 4.1; Fig. 3 PTx Reference Designs: Sec. 10.2 (A8)
US	9,660,699	1	Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 5.1, 5.1.5, 6, 6.3, 6.6, 6.6.1, 8.9; Figs. 12, 21, 22; Table 27 Power Delivery: Sec. 2; Fig. 2 Foreign Object Detection: Secs. 4.2, 4.2.1-4.2.4; Fig. 5; Annex A PTx Reference Designs: Sec. 10; Figs. 10, 13
US	9,685,817	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 3.1.1, 4.2, 5.1.1, 5.1.2.2, 5.1.2.3, 5.1.2.6, 5.2.1, 5.2.3.2, 5.2.4.5, 10, 10.1, Fig. 16, Tables 28, 32, 35 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2, 2.2.1, 2.2.10.2, Fig. 30
US	9,735,836	18	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.1.1, 5.1.2, 5.1.2.2, 5.1.2.3, 5.1.2.3.1, 5.1.3.2, 5.1.2.4, 5.1.3.3, 5.1.3.4, 5.2, 5.2.1, 5.2.2.1, 5.3.1, 5.3.2.1, Figs. 16, 18, Table 11
US	9,762,091	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 4, 4.1, 5, 5.1.3, 8.4, 8.14, Figs.4, 5, Tables 21, 31. Power Delivery: Secs. 2, 5.2, 15, 15.1, 16.1, Figs. 2, 8 Power Transmitter Reference Designs: 10.2, 15.2, 34.2, 41, 41.2, Figs. 147, 148
US	9,762,092	1	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 3.1, 5.1.1, 11.4.2, 11.5, Fig. 48

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	9,806,541	1, 5, 12, 15	Qi Specification v.2.0 (Apr. 2023) MPP System Specification: Secs. 1.1.1, 1.1.4, 1.2.1, 3.2.1.1, 3.2.1.3, 3.2.1.4, 3.2.1.9, 3.3.1.4, 4.1.1, 4.3.1; Figs. 4.2.1.1:7, 4.2.1.1:8, 4.2.1.3:8, 4.2.1.4:11, 4.2.1.5:12, 4.3.1.4:18, 5.3.1:36
US	9,831,688	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 6, 6.3, 6.6, 8.9; Figs. 21, 22 Power Delivery: Sec. 3; Figs. 3, 4 Foreign Object Detection: Secs. 4, 4.2, 4.2.2; Annex A
US	9,843,230	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, 4.1, 4.2, Fig. 5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 1.5, 3.2.4, 5.1.1, 5.1.1.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.4.1, 5.1.2.6, 5.1.2.7, 5.3.1, Figs. 10, 16, 18, 19, 20, 21, 22, 24, 25 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.2, Fig. 3
US	9,847,664	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 4, 4.1 Communications Protocol: Secs. 2.1, 4, 5.1.6.1, 7; Figs. 2, 4 Power Delivery: Sec. 2, 3.6; Fig. 2 Foreign Object Detection: Secs. 4, 4.2, 4.2.1-4.2.4; 4.2.2.1 Glossary: Sec. 1
US	9,912,188	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 5.2.2.1, Figs. 10, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Fig. 251
US	9,923,603	1	Qi Specification, V.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Communications Protocol: Secs. 4, 4.1, 4.1.1, 5, 6.5, 6.5.1, 7, 8.19, Figs. 5, 23, Table 42 Power Reference Transmitter Designs: Secs. 2.1, 2.2 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 4, 4.1, 4.1.1, 5, 6.6, 6.6.1, 7, 8.19, Figs. 5, 22, Table 42 Power Reference Transmitter Designs: Secs. 2.1, 2.2
US	9,941,048	1	Qi Specification, v.1.3.1 (August 2021) Introduction: Sec. 3.1, Fig. 6 Glossary: Sec. 1 NFC Tag Protection: Secs. 4.1.2, 5, 5.1, 5.2, Fig. 3 Power Receiver Design Examples: Sec. 2.1.2, Fig. 3 Qi Specification, V. 2.0 Introduction: Sec. 3.1, Fig. 3 Glossary: Sec. 1 NFC Tag Protection: Secs. 4.1.2, 5, 5.1, 5.2, Fig. 3 Power Receiver Design Examples: Sec. 2.1.2, Fig. 3
US	9,985,463	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Figs. 4, 5, 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 5.1.2, 11.3, 11.3.1, 11.3.2, Figs. 45, 46, 53 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.3, Fig. 3
US	10,020,693	1	Qi Specification v.2.0 (Aug. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.1, 4.2.1, 5, 5.1.5, 6 and 8.9; Figs. 2, 12; Table 27 Power Delivery: Secs. 2 and 3; Figs. 2 and 3 Foreign Object Detection: Secs. 4.2, 4.2.2 and Annex A; Fig. 6 PTx Test Tools: Sec. 5; Table 8

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	10,074,475	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.2, 3.1.8 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Fig. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Fig. 254
US	10,101,488	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 11, 11.3
US	10,103,584	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1, 5.1.1.1, 5.1.2.5, 5.1.3.5, 5.1.4, 11.1, 11.3.2, 11.4, 11.4.1, 11.4.3, 11.4.3.2, Figs. 23, 34, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Fig. 27
US	10,109,416	1, 2, 4, 11, 12, 14	Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3, 3.1; Fig. 2 PTx Reference Designs: Secs. 52 (MP-A6), 52.1.1; Figs. 109, 110; Tables 86, 87
US	10,110,074	1	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.5.5.1, 6.5.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 24, 29, 69, Tables 35, 36, 38, 47 Power Delivery: Sec. 7 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 2.2.1, 6, 6.2, 6.6.5.1, 6.6.5.6, 7, 7.3.7, 8.18, 8.18.3, 9.4, Figs. 3, 22, 24, 29, 69, Tables 35, 36, 38, 47 Power Delivery: Sec. 7
US	10,141,782	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1.1, 5.1.2.5, 5.1.2.6, 5.1.4, 11.1, 11.4, 11.4.1, 11.4.3, 11.4.3.1, 11.4.3.2, Figs. 23, 34, 47 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, 2.2.10.2, Figs. 27 and 30
US	10,199,880	1	Qi Specification v. 1.3.1 (Aug. 2021) Power Delivery: Secs. 2, 3; Figs. 2, 4 Mechanical Thermal and User Interface: Sec. 5.1 NFC Tag Protection: Secs. 2, 4 (ref. to NFC - forum.org), 4.1, 4.1.3, 4.2, 4.2.2, 4.3 (including reference to NFC Forum Analog, Digital Protocol, and Activity specifications, which include NFC Forums TS-Analog-1.0 (especially Sec. 2.1 and Fig. 1 thereof), 4.3.1; Fig. 6 PTx Reference Designs: Secs. 4, 4.2; Figs. 2, 5
US	10,239,413	1	Intro. to the Power Class 0 Spec., V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. B.4, B.4.2
US	10,250,080	1	Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 4, 4.1, 4.1.1-4.1.3; Figs. 4, 5 Foreign Object Detection: Secs. 4, 4.1, 4.2, 4.2.1-4.2.5; Annex B., B.1, B.2.2; Figs. 3, 5, 20
US	10,298,070	1	Qi Specification, v.1.3.1 (August 2021) Introduction: Sec. 3.1, Fig. 6 Glossary: Sec. 1 Communications Physical Layer: Secs. 2, 2.1, 2.2, 3, 3.1, 3.2, 3.4.5, Figs. 2, 10 Communications Protocol: Secs. 8, 8.4, Tables 17, 21 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, Fig. 3 Glossary: Sec. 1 Communications Physical Layer: Secs. 2, 2.1, 2.2, 3, 3.1, 3.2, 3.4.5, Figs. 2, 10 Communications Protocol: Secs. 8, 8.4, Tables 17, 21
US	10,299,095	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 5.1.1, 5.1.2.4.1, 10, 10.1, 10.2, 11.3, 11.3.1, Figs. 22, 44, Tables 12, 63
US	10,305,329	48	Intro. to the Power Class 0 Spec., V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 3.1.1, Fig. 6, Annex B.3

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	10,326,317	1, 8	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, 5.2 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 11, 11.3.1, 11.3.2
US	10,340,744	1	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3, Fig. 6 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 5.1.1, 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.6, 5.1.3, 5.1.3.1, 5.1.3.2, 5.1.3.6, 5.2.3, 5.2.3.1, 5.2.3.3, 5.2.3.8, 5.3.3, 5.3.3.3, Annex B.2.2, Figs. 4, 51 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 1.5, 2.1, 2.3, 2.3.1
US	10,439,437	23	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.2.3.3, Fig. 17 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 3, V. 1.2.4:Feb. 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.4.2, 2.2.6.2, 2.2.10, 2.2.10.2, 2.2.27.2, Figs. 27, 30
US	10,439,445	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 3.1, 5.1.1, 11.4.2, 11.5, Fig. 48
US	10,461,567	1	Qi Specification v.2.0 (Apr. 2023) Communications Protocol: 3.6, 4, 4.1, 4.2.2, 7; Figs. 4, 5 Power Delivery: Secs. 2, 3.6; Fig. 2 Foreign Object Detection: Annex B.1
US	10,511,183	1, 17	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Sec. 3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 3.1, 3.1.1, 3.1.2, 3.1.4, 5.1.3.1, 5.2, 5.2.1, 5.2.2, Annex B1, Fig. 4, Table 27 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.1, 3.1.2
US	10,541,565	1	Qi Specification v.1.3.1 (Aug. 2021) Introduction: Sec. 3.2.2 Glossary: Sec. 1 Power Delivery: Sec. 2, Fig. 3 NFC Tag Protection: Secs. 2, (ref. to NFC-forum.org); 4, 4.1, 4.1.3, 4.3 (including ref. to NFC Forum Analog, Digital Protocol and Activity specifications, which include NFC Forum-TS-Analog 1.0)(especially Sec. 2.1 and Fig. 1 thereof), 5, 5.2; Fig. 4 PTx Reference Designs: Sec. 4.1.2 (A2 exemplary of PTx coil designs with Ni-Zn or Mn-Zn ferrite shielding)
US	10,545,180	2	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 5.1.3.6, 5.2.1, 5.2.3.4, 5.2.3.7, 5.2.3.11, 11.2, 11.4, Figs. 4, 33(b), Tables 31, 34, 39
US	10,581,491	1	Qi Specification, v.1.3 (Jan. 2021) Introduction: Secs. 3.1, 4, 4.2, 4.5 Communications Physical Layer: Secs. 2, 3 NFC/RFID Card Protection: Secs. 3, 3.1, 3.2, 3.2.2; Figs. 5, 6 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1, 4.5; Fig. 3 Communications Physical Layer: Secs. 2, 3 NFC Tag Protection: Secs. 4, 4.1, 4.2, 4.2.2; Figs. 5, 6 PTx Reference Designs: Sec. 8; Fig. 2
US	10,651,658	20	Qi Specification v.1.3.1 Foreign Object Detection: Secs. 4, 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5, 5.1; Fig. 4 PTx Reference Designs: Secs. 2.2, 40.1.1, 40.2, 40.2.1; Fig. 140(a)-(c), 142, 143 Qi Specification v.2.0 (Apr. 2023) Foreign Object Detection: Secs. 4, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 5.1; Fig. 5 PTx Reference Designs: Secs. 2.2, 40.1.1, 40.2, 40.2.1; Fig. 91(a)-(c), 93, 94
US	10,694,008	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, 5.2.2.4.3, Fig. 38, Tables 25, 26
US	10,791,204	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.2, 5.2.2.4, 5.2.2.4.1, Fig. 38, Table 25

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Ctry.	Patent	CI	Standards / Sections
US	10,797,536	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 2, 3.1, 3.2 Communications Protocol: Secs. 2.1, 6, 6.3, 6.6.1, 8.9; Figs. 2, 21, 22 Power Delivery: Secs. 2, 3, 3.6; Figs. 2-4 Foreign Object Detection: Secs. 4.2.2; Annex A PRx Design Examples: Fig. 4
US	10,804,751	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 3.1, 5.2.3.4, 11.1, 11.2, Fig. 4, Table 31
US	10,833,538	9	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Power Delivery: Secs. 3, 3.6; Figs. 3, 4 MPP System Specification: Secs. 4, 4.7.1.1; Fig. 6.3.2.1:68
US	10,855,109	16	Qi Specification, V.1.3.1 (Aug. 2021) Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Figs. 2, 63, Tables 5, 25, 36, 40 Glossary: Sec. 1 Introduction: Sec. 3, Fig. 6 Qi Specification v.2.0 (Apr. 2023) Communications Physical Layer: Sec. 2 Communications Protocol: Secs. 2.1, 2.2, 6.1, 7.3.4, 8.7, 8.18, 8.18.6, Figs. 2, 63, Tables 5, 25, 36, 40 Glossary: Sec. 1 Introduction: Sec. 3, Fig. 3
US	10,892,648	1	Qi Specification v.1.3.1 (Aug. 2021) Introduction: Secs. 3, 3.1 Communications Protocol: Sec. 4 PTx Reference Designs: Secs. 47, 47.2 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3, 3.1 Communications Protocol: Sec. 4 PTx Reference Designs: Secs. 48, 48.2
US	10,916,973	18	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 6.3, 6.5, 8.9, Fig. 23, Table 27 Foreign Object Detection: Secs. 2, 4, 4.1, 4.1.2, 4.1.3, Fig. 3 Glossary: Sec. 1 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 6.3, 6.5, 8.9, Fig. 23, Table 27 Foreign Object Detection: Secs. 2, 4, 4.2, 4.2.2, 4.2.3, Fig. 4 Glossary: Sec. 1
US	10,938,240	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.5, 3.1, 5.1.2.4, 5.1.2.5, 5.1.2.6, Fig. 17 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Sec. 2.1, Fig. 187
US	10,985,613	1	The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 & 2, V. 1.2.4:Feb 2018, Secs. 1.3, 1.5, 3.2.4, 5.1.1, 5.2.3.3, 5.2.3.4, Fig. 17, Tables 30, 31 The Qi Wireless Power Transfer System, Power Class 0 Spec, Part 3, V. 1.2.4:Feb 2018, Sec. 5.1 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.10, Figs. 27, 30
US	11,005,303	1, 21	Qi Specification, V.1.3.1 (Aug. 2021) Communications Protocol: Secs. 1.2, 6.6.1, 8.9, Table 27 Foreign Object Detection: Sec. 4.1.2 Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 1.2, 6.6.1, 8.9, Table 27 Foreign Object Detection: Sec. 4.2.2

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	11,011,930	9	Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Secs. 4, 6, 6.3, 6.6, 6.6.1, 8.9; Figs. 21, 22; Table 27 Power Delivery: Secs. 2, 3, 3.6, 10; Figs. 2-4, 11 Foreign Object Detection: Secs. 4.2.1, 4.2.2 PRx Design Examples: Secs. 2.2, 3.2, 4.2, 5.2, 6.2; Figs. 4, 8, 11, 14, 17
US	11,029,340	1	Qi Specification v.2.0 (Apr. 2023) Communications Protocol: Sec. 4; Fig. 4 Power Delivery: Secs. 2, 15, 15.1, 15.2; Fig. 2 Foreign Object Detection: Secs. 4, 4.1, 4.2, 4.2.3; Annex B, B.1, B.2.1; Fig. 19 MPP System Specification: Secs. 1.2.1, 6, 6.2, 6.2.6.1, 6.2.6.5 Glossary: Sec. 1
US	11,031,829	1, 2	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1 Glossary: Sec. 1 Communications Protocol: Secs. 7, 8.15; Table 32 PTX Reference Designs: Sec. 47; Fig. 185 Foreign Object Detection: Secs. 5.2.1, 5.2.2, 5.2.3; Figs. 10, 12 Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Glossary: Sec. 1 Communications Protocol: Secs. 7, 8.15; Table 32 PTX Reference Designs: Sec. 48; Fig. 100 Foreign Object Detection: Secs. 5.2.1, 5.2.2, 5.2.3; Figs. 11, 13
US	11,038,377	1	Qi Specification v.1.3.1 Introduction: Secs. 3.1, 4.5; Fig. 6 PRx Design Examples: Sec. 5.2; Fig. 14; example 4 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1, 4.5; Fig. 3 PRx Design Examples: Sec. 5.2; Fig. 14; example 4
US	11,050,304	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5.1.1, 5.1.2.1, 10, 10.2, Fig. 16, Annex B.3 The Qi Wireless Power Transfer System, Power Class 0 Spec., Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.6, Fig. 15
US	11,056,919	1	Qi Specification, V.1.3.1 (Aug. 2021) Glossary: Sec. 1 Introduction: Sec. 3.1, Fig. 6 Power Receiver Reference Designs: Sec. 6.1.1, Fig. 15, Table 8 Power Transmitter Reference Designs: Secs. 2.2, 44, 44.1, 44.1.1, 44.2, Figs. 166, 167, 168, 170
US	11,139,698	1	The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 3.1, 5.1.1, 5.2.3.7, 11.4.2, 11.5, Fig. 48
US	11,205,929	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 4 Communications Protocol: Secs. 2.1, 4, 5, 8, 8.4; Figs. 2, 4, 11; Table 21 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 1 Communications Protocol: Secs. 2.1, 4, 5, 8, 8.4; Figs. 2, 4, 11; Table 21
US	11,303,161	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3, 3.1; Fig. 3 Communications Protocol: Secs. 6, 6.3, 6.6.1, 8, 8.9; Figs. 21, 22; Table 27 Power Delivery: Secs. 2, 3; Figs. 2-4 Foreign Object Detection: Secs. 4.2, 4.2.1-4.2.4; Annex A

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Ctry.	Patent	CI	Standards / Sections
US	11,316,384	12	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1; Fig. 4  Communications Protocol: Secs. 7, 8.15; Table 32  Power Delivery: Sec. 3; Fig. 4  Foreign Object Detection: Sec. 5.2.2; Figs. 14, 15</p> <p>Qi Specification, v.2.0 (Aug. 2023)  Introduction: Secs. 3, 3.1; Fig. 1  Communications Protocol: Secs. 7, 8.15; Table 32  Power Delivery: Sec. 3; Fig. 4  Foreign Object Detection: Sec. 5.2.2; Figs. 15, 16</p>
US	11,349,347	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 1.2, 2.1, 6, 6.6, 6.6.1, 6.6.5.3, 8.9, Figs. 2, 22, 23, 24, 26, 41, Table 27  Foreign Object Detection: Secs. 4, 5</p> <p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 1.2, 2.1, 6, 6.6, 6.6.1, 6.6.5.3, 8.9, Figs. 2, 22, 23, 24, 26, 41, Table 27  Foreign Object Detection: Secs. 4, 5</p>
US	11,355,971	3	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 7, 7.2.1, 7.3, 7.3.2, 8, 8.2; Figs. 46, 61; Table 16</p> <p>Qi Specification, v.2.0 (Aug. 2023)  Communications Protocol: Secs. 7, 7.2.1, 7.3, 7.3.2, 8, 8.2; Figs. 40, 41; Table 16</p>
US	11,387,677	6	<p>Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, Figs. 5, 6  The Qi Wireless Power Transfer System, Power Class 0 Spec, Parts 1 &amp; 2, V. 1.2.4:Feb 2018, Secs. 1.3, 3.1.4, 4.2, 5.1.1, 5.1.2.6, 5.1.3.6, 5.2, 5.2.1, 5.2.3.1, 5.2.3.4, 5.2.3.11, 11, 11.3, 11.4, 11.4.1, 11.4.2, 11.5, Tables 27, 31, 39</p>
US	11,444,662	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 7, 7.3, 7.3.2, 8, 8.5; Figs. 40, 41; Tables 16, 22</p> <p>Qi Specification, v.2.0 (Aug. 2023)  Communications Protocol: Secs. 7, 7.3, 7.3.2, 8, 8.5; Figs. 46, 61; Tables 16, 22</p>
US	11,496,004	13	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Secs. 7, 9.4; Fig. 41; Table 47</p> <p>Qi Specification, v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 3  Communications Protocol: Secs. 7, 9.4; Fig. 41; Table 47</p>
US	11,515,737	11	<p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 3  Communications Protocol: Secs. 2.1, 2.2.1, 5, 5.1.5, 6, 6.6, 6.6.5.1, 6.6.5.2; Figs. 3, 11, 12, 23, 24; Table 5  Power Delivery: Secs. 2, 3; Figs. 2-4  MPP System Specification: Sec. 1.2.1</p>
US	11,539,249	6	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1; Fig. 6  Communications Protocol: Sec. 8.15; Table 32  Foreign Object Detection: Secs. 5, 5.2.2; Figs. 12, 15</p> <p>Qi Specification, v.2.0 (Aug. 2023)  Introduction: Secs. 3, 3.1; Fig. 3  Communications Protocol: Sec. 8.15; Table 32  Foreign Object Detection: Secs. 5, 5.2.2; Figs. 13, 16</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	11,569,632	9	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1  Glossary: Sec. 1  Communications Protocol: Secs. 2.1, 4, 5, 6, 6.6, 8.9; Figs. 2, 4, 11, 21, 22; Table 27  Foreign Object Detection: Secs. 4, 4.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5; Annex A (point 7 and Fig. 16)</p> <p>Qi Specification, v.2.0 (Aug. 2023)  Introduction: Secs. 3, 3.1  Glossary: Sec. 1  Communications Protocol: Secs. 2.1, 4, 5, 6, 6.6, 8.9; Figs. 2, 4, 11, 21, 22; Table 27  Foreign Object Detection: Secs. 4, 4.2, 4.2.2, 4.2.3, 4.2.4, 4.2.5; Annex A (point 7 and Fig. 17)</p>
US	11,601,014	1	<p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Secs. 3.1; Figs. 2 and 3  NFC Tag Protection: Secs. 4, 4.1, 4.1.2, 4.2, 4.2.2; Figs. 3 and 6</p>
US	11,626,758	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1, 4.2  PTx Reference Design: Secs. 51, 51.1, 51.2 (MP-A6); Figs. 202, 205; Tables 138, 139</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Secs. 3.1, 4.2  PTx Reference Design: Secs. 52, 52.1, 52.2 (MP-A6); Figs. 108-111; Tables 86, 87</p>
US	11,626,762	1	<p>Qi Specification, V.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 1.2, 2.1, 6, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.9, Figs. 2, 21, 22, 23, 25, Table 27</p> <p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 1.2, 2.1, 6, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.9, Figs. 2, 21, 22, 23, 25, Table 27</p>
US	11,652,370	1	<p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Sec. 4; Figs. 4, 11  Power Delivery: Sec. 15.1; Fig. 18  MPP Communications Protocol: Secs. 2.2.1, 2.3.3, 2.4.2, 7.1.20; Figs. 2.2, 3.6 and 7.20; Table 2.1</p>
US	11,652,371	14, 21	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Communications Protocol: Secs. 1.2, 6, 6.3, 6.6, 6.6.1, 6.6.4, 6.6.5.1, 6.6.5.3, 8.7, 8.9, Figs. 21, 22, 23, Tables 24, 27</p> <p>Qi Specification v.2.0 (Apr. 2023)  Communications Protocol: Secs. 1.2, 6, 6.3, 6.6, 6.6.1, 6.6.4, 6.6.5.3, 8.7, 8.9, Figs. 21, 22, 23, Tables 24, 27</p>
US	11,658,520	6	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 6.6.5.6, 7.1, 7.13, 8.15, 9.4; Figs. 28, 43; Table 32  PTx Reference Designs: Sec. 46; Fig. 180</p> <p>Qi Specification, v.2.0 (Aug. 2023)  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 6.6.5.6, 7.1, 7.13, 8.15, 9.4; Figs. 28, 43; Table 32  PTx Reference Designs: Sec. 47; Fig. 95</p>
US	11,664,688	8	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1; Fig. 6  Communications Protocol: Sec. 8.15; Table 32  Foreign Object Detection: Secs. 5, 5.2, 5.2.1, 5.2.2, 5.2.3; Figs. 9, 10, 12, 15</p> <p>Qi Specification, v.2.0 (Aug. 2023)  Introduction: Secs. 3, 3.1; Fig. 3  Communications Protocol: Sec. 8.15; Table 32  Foreign Object Detection: Secs. 5, 5.2, 5.2.1, 5.2.2, 5.2.3; Figs. 10, 11, 13, 16</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	11,670,966	6	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 2.2, 2.2.1, 6.6.5.6, 7, 8.15, 9.4; Figs. 3, 28; Tables 5, 47  Power Delivery: Sec. 11.1</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Communications Physical Layer: Sec. 3.5; Fig. 11  Communications Protocol: Secs. 2.2, 2.2.1, 6.6.5.6, 7, 8.15, 9.4; Figs. 3, 28; Tables 5, 47  Power Delivery: Sec. 11.1</p>
US	11,689,064	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Communications Protocol: Sec. 8.7; Table 24  NFC Tag Protection: Secs. 5, 5.2; Fig. 7</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Communications Protocol: Sec. 8.7; Table 24  NFC Tag Protection: Secs. 5, 5.2; Fig. 7</p>
US	11,697,351	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Power Delivery: Secs. 2, 15; Fig. 2  Introduction: Secs. 3, 3.1; Fig. 6  FOD: Secs. 2, 3, and 4.1.5  Glossary: Sec. 1  Power Transmitter Reference Designs: Secs. 48, 48.1.2, and 48.1.3; Fig. 189; Table 126  Communications Protocol: Secs. 4.2.1, 7.3.7; Fig. 6</p> <p>Qi Specification v.2.0 (Apr. 2023)  Power Delivery: Secs. 2, 15; Fig. 2  Introduction: Secs. 3, 3.1; Fig. 3  FOD: Secs. 2, 3, and 4.2.5  Glossary: Sec. 1  Power Transmitter Reference Designs: Secs. 49, 49.1.2, and 49.1.3; Fig. 104; Table 106  Communications Protocol: Secs. 4.2.1, 7.3.7; Fig. 6</p>
US	11,715,982	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1, 4; Fig. 4  Communications Protocol: Secs. 2.1, 4, 5, 6.6.5.6, 8.4, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4; Figs. 2, 4, 11, 28; Tables 23, 38, 47  Power Delivery: Secs. 15, 15.1, 15.2</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Secs. 3.1, 4; Fig. 4  Communications Protocol: Secs. 2.1, 4, 5, 6.6.5.6, 8.4, 8.6, 8.15, 8.16, 8.18.1, 8.18.3, 9.4; Figs. 2, 4, 11, 28; Tables 23, 38, 47  Power Delivery: Secs. 15, 15.1, 15.2</p>
US	11,722,014	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Glossary: Secs. 1, 2  Introduction: Sec. 3.1  Communications Protocol: Secs. 2.2.1, 5, 5.1, 5.1.3, 5.1.5, 8.4, Figs. 11, 12, Table 21  Authentication Protocol: Secs. 2, 4, 4.2, 7.1, Fig. 2</p> <p>Qi Specification v.2.0 (Apr. 2023)  Glossary: Secs. 1, 2  Introduction: Sec. 3.1  Communications Protocol: Secs. 2.2.1, 5, 5.1, 5.1.3, 5.1.5, 8.4, Figs. 11, 12, Table 21  Authentication Protocol: Secs. 2, 4, 4.2, 7.1, Fig. 2</p>

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Ctry.	Patent	CI	Standards / Sections
US	11,736,146	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3.1, 4.2; Fig. 6  Glossary: Sec. 1  Communications Protocol: Secs. 6, 8, 8.4, 9.4; Fig. 21; Tables 21, 47  Power Delivery: Sec. 3; Fig. 4</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Secs. 3.1, 4.2; Fig. 3  Glossary: Sec. 1  Communications Protocol: Secs. 6, 8, 8.4, 9.4; Fig. 21; Tables 21, 47  Power Delivery: Sec. 3; Fig. 4</p>
US	11,817,716	1	<p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Communications Protocol: Secs. 1.2, 1.6, 4, 4.2.4, 5, 5.1, 6, 6.6.5.3, 7, 7.1.6.1, 8.9; Figs. 4, 21, 25; Table 27  Foreign Object Detection: Secs. 4, 4.2, 4.2.1, 4.2.3, 4.2.5</p>
US	11,817,917	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Communications Protocol: Secs. 2.1, 4, 5, 6, 8.4, 9.4; Figs. 2, 4, 11, 21; Tables 21, 47  NFC Tag Protection: Sec. 5.2; Fig. 7</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Communications Protocol: Secs. 2.1, 4, 5, 6, 8.4, 9.4; Figs. 2, 4, 11, 21; Tables 21, 47  NFC Tag Protection: Sec. 5.2; Fig. 7</p>
US	11,881,912	1	<p>Qi Specification, v.1.3.1 (Aug. 2021)  Introduction: Secs. 3, 3.1  Communications Protocol: Secs. 1, 1.5.1, 5, 6, 7, 7.2, 7.2.1, 7.2.3, 8, 8.1, 8.2, 8.4, 8.5, 9, 9.1, 9.2, 9.4; Figs. 11, 21, 46; Tables 18, 19, 21, 22, 44, 45, 47</p> <p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Secs. 3, 3.1  Communications Protocol: Secs. 1, 1.5.1, 5, 6, 7, 7.2, 7.2.1, 7.2.3, 8, 8.1, 8.2, 8.4, 8.5, 9, 9.1, 9.2, 9.4; Figs. 11, 21, 46; Tables 18, 19, 21, 22, 44, 45, 47</p>
US	11,958,370	1, 9	<p>Qi Specification v.2.0 (Aug. 2023)  Introduction: Sec. 3.1; Fig. 3  PTx Reference Designs: Secs. 16, 16.1.1, 16.1.2, 16.2, 59, 59.1.1, 59.1.2, 59.2; Figs. 25, 26, 126, 127</p>
US	12,088,120	1	<p>Qi Specification v.1.3.1 (Aug. 2021)  Introduction: Sec. 3.1  Glossary: Secs. 1, 2  Communications Protocol: Sec. 6; Fig. 21  NFC Tag Protection: Sec. 2.2.1, 3, 3.1; Tables 5, 6</p> <p>Qi Specification v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Glossary: Secs. 1, 2  Communications Protocol: Sec. 6, 9.5; Fig. 21; Table 48  NFC Tag Protection: Sec. 2.1.1, 3; Table 5</p>
US	12,119,671	1	<p>Qi Specification, v.2.0 (Apr. 2023)  Introduction: Sec. 3.1  Communications Protocol: Secs. 1.2, 6, 6.3, 6.6, 6.6.5.1, 6.6.5.3, 8.9; Figs. 21, 23, 25  Foreign Object Detection: Secs. 4, 4.2, 5, 5.1, 5.1.1-5.1.3</p>

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	12,126,187	1	Qi Specification, v.1.3.1 (Aug. 2021) Communications Protocol: Secs. 6, 6.6, 6.6.1, 8, 8.9; Figs. 21, 22 Foreign Object Design: Secs. 4, 4.1 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 6, 6.6, 6.6.1, 8, 8.9; Figs. 21, 22 Foreign Object Design: Secs. 4, 4.2
US	12,143,173	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Glossary: Sec. 1 Communications Protocol: Secs. 2, 8.7; Table 24 Power Delivery: Sec. 3; Figs. 3, 4 MPP Communications Protocol: Secs. 3.3.1, 3.4; Figs. 3.3, 3.6
US	12,155,226	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Glossary: Sec. 1 Communications Protocol: Sec. 4; Fig. 4 Foreign Object Detection: Secs. 4, 4.1; Figs. 3, 18; Annex B, B.1
US	12,160,116	1	Qi Specification, v.1.3.1 (Aug. 2021) Introduction: Sec. 3.1; Fig. 6 Communications Protocol: Sec. 8.7 Foreign Object Design: Secs. 5.2.3 Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Communications Protocol: Sec. 8.7 Foreign Object Design: Secs. 5.2.3
US	12,184,091	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 1.2, 6, 6.3, 6.6, 6.6.5.1, 8.9; Figs. 21-23; Table 28
US	12,207,328	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 8.7; Table 24 MPP Communications Protocol: Secs. 3.2.3, 3.3.1-3.3.3, 3.4, 7.1.4; Figs. 3.3, 3.4, 7.4; Tables 7.6, 7.7, 24
US	12,218,525	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 1.2, 6, 6.3, 6.6, 6.6.5.1, 8.5, 8.9; Figs. 21-23 Communications Physical Layer: Secs. 2.2, 2.3; Figs. 3, 4 Foreign Object Detection: Secs. 4, 4.2
US	12,230,978	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Glossary: Sec. 3 Communications Protocol: Sec. 2.1; Fig. 2 Foreign Object Detection: Annex B.3 MPP Communications Protocol: Secs. 2.2.2, 7.1.20; Figs. 2.3, 7.20 MPP System: Secs. 4.3.1.2, 4.7.1.1, 4.7.1.2, 4.7.1.3, 4.7.1.3.2, 6.2, 6.2.1, 6.2.3; Fig. 7.2.1
US	12,244,158	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Secs. 2.2.1, 5, 5.1.6, 8.11; Figs. 11, 12; Table 29 Power Delivery: Sec. 3; Fig. 4 Authentication Protocol: Secs. 4, 4.2, 7.1; Fig. 2

## Qi Wireless Charging Cross-Reference Chart (01Feb26)

Ctry.	Patent	CI	Standards / Sections
US	12,249,850	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1; Fig. 3 Communications Protocol: Secs. 6, 6.6, 6.6.5.1, 6.6.5.3, 7.3.3, 8.9, 8.14, 8.15; Figs. 21, 22, 23, 25; Table 28 Foreign Object Detection: Secs. 4, 4.2, 4.2.1-4.2.3, 5, 5.1, 5.2, 5.2.1, 5.2.2; Figs. 10(b), 12, 13, 15, 16
US	12,283,829	1	Qi Specification, v.2.0 (Apr. 2023) Introduction: Sec. 3.1 Communications Protocol: Sec. 6 MPP Communications Protocol: Secs. 3.1, 3.4., 4.3, 4.3.2, 7.1.18, 7.2.14; Figs. 4.4 and 7.35; Table 7.22 MPP System Specification: Secs. 6.3, 6.3.2.2, 7.3.2.2.13, 7.3.2.2.15, 7.3.2.2.16
US	12,288,998	1	Qi Specification v.2.0 (Apr. 2023) Introduction: Sec. 3.1 MPP Communications Protocol: Secs 7.1.11, 7.2.7; Fig. 7.28; Table 7.15 MPP System Specification: Secs. 1.1.1, 2.1, 2.1.1, 2.1.2, 4.2.1.1, 4.9, 4.9.1, 4.9.2.1, 4.9.2.2, 4.9.2.3.4, 4.9.3, 4.9.4, 5.9.3.0.1, 5.9.3.0.2, 5.9.4.1; Figs. 5.2.1.1:30, 5.9.2.3.11:51
US	Re. 44,038	20	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 5, 5.1.1.1, 10.1, Fig. 44 The Qi Wireless Power Transfer System, Power Class 0 Specification, Part 4, V. 1.2.4:Feb. 2018, Secs. 2.2.2, 2.2.2.2, Figs. 3, 6
US	Re. 44,713	9,13	Introduction to the Power Class 0 Specification, V. 1.2.4:Feb. 2018, Secs. 3, Fig. 5 The Qi Wireless Power Transfer System, Power Class 0 Spec., Parts 1&2, V. 1.2.4:Feb. 2018, Secs. 1.3, 2.1, 5.1.1, 5.1.2, 5.1.2.3, 5.1.2.6, 5.1.3, 5.1.3.3, 5.1.3.6, 5.2.3.2, 5.2.3.5, 5.2.3.8, Figs. 4, 16
US	Re. 46,111	32	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 3.1, 5.1, 5.1.2, 5.1.2.3, 5.1.2.6, 5.1.3.2, 5.2.1, 5.2.2.1, Figs. 4, 16
US	Re. 48,193	10	The Qi Wireless Power Transfer System, Power Class 0 Specification, Parts 1 & 2, V. 1.2.4:Feb. 2018, Secs. 1.3, 1.5, 2.1, 2.1.1, 3.1, 3.1.4, 3.1.8, 5.1.3.3, Fig. 4
US	Re. 49,300	1	Qi Specification v.1.3.1 Introduction: Secs. 3.1 Communications Protocol: Secs. 4, 6.6.5.3, 6.7.5, 7, 7.1.2, 8.5, 8.17 Power Delivery: Secs. 5.2 PTx Reference Designs: Secs. 16(A13), 16.1, 16.1.1, 16.1.2, 16.2; Figs. 38, 40, 41 Foreign Objection Detection: Sec. 2 Qi Specification v.2.0 (Apr. 2023) Introduction: Secs. 3.1 Communications Protocol: Secs. 4, 6.6.5.3, 6.7.5, 7, 7.1.2, 8.5, 8.17 Power Delivery: Secs. 5.2 PTx Reference Designs: Secs. 16(A13), 16.1, 16.1.1, 16.1.2, 16.2; Figs. 22, 24, 25 Foreign Objection Detection: Sec. 2