

**B1 Institute of Image
Technology, INC.**

AL (EP 3,975,559)	CN 114531589	HK 40072998
AL (EP 4,387,232)	CN 114531591	HK 40073014
AT (EP 3,975,559)	CN 114531593	HK 40073015
AT (EP 4,387,232)	CN 114554202	HK 40073016
AT (EP 4,507,308)	CN 115767106	HK 40073017
AT (EP 4,510,587)	CN 115802058	HK 40074073
AU 2021266245	CN 115802059	HK 40074506
AU 2022228227	CN 115834909	HK 40074507
AU 2022228228	CY (EP 3,975,559)	HK 40076522
AU 2022228372	CY (EP 4,387,232)	HK 40076523
AU 2022229691	CZ (EP 3,975,559)	HK 40076524
AU 2023214310	CZ (EP 4,387,232)	HK 40089889
AU 2023214311	CZ (EP 4,507,308)	HK 40089890
AU 2023214313	CZ (EP 4,510,587)	HK 40089891
AU 2023214314	DE (EP 3,975,559)	HK 40090142
AU 2023214315	DE (EP 4,387,232)	HR (EP 3,975,559)
AU 2024202565	DE (EP 4,507,308)	HR (EP 4,387,232)
AU 2024202566	DE (EP 4,510,587)	HU (EP 3,975,559)
AU 2024202567	DK (EP 3,975,559)	HU (EP 4,387,232)
AU 2024202568	DK (EP 4,387,232)	HU (EP 4,507,308)
AU 2024202570	DK (EP 4,507,308)	HU (EP 4,510,587)
BE (EP 3,975,559)	DK (EP 4,510,587)	IE (EP 3,975,559)
BE (EP 4,387,232)	EE (EP 3,975,559)	IE (EP 4,387,232)
BE (EP 4,507,308)	EE (EP 4,387,232)	IE (EP 4,507,308)
BE (EP 4,510,587)	ES (EP 3,975,559)	IE (EP 4,510,587)
BG (EP 3,975,559)	ES (EP 4,387,232)	IN 429172
BG (EP 4,387,232)	ES (EP 4,507,308)	IN 433633
CH (EP 3,975,559)	ES (EP 4,510,587)	IN 433634
CH (EP 4,387,232)	FI (EP 3,975,559)	IN 433635
CH (EP 4,507,308)	FI (EP 4,387,232)	IN 433636
CH (EP 4,510,587)	FI (EP 4,507,308)	IN 463635
CN 110024407	FI (EP 4,510,587)	IN 463733
CN 113873260	FR (EP 3,975,559)	IN 463753
CN 113873261	FR (EP 4,387,232)	IN 463845
CN 113873262	FR (EP 4,507,308)	IN 463864
CN 113891096	FR (EP 4,510,587)	IN 463887
CN 114143550	GB (EP 3,975,559)	IN 489440
CN 114245118	GB (EP 4,387,232)	IS (EP 3,975,559)
CN 114245119	GB (EP 4,507,308)	IS (EP 4,387,232)
CN 114245120	GB (EP 4,510,587)	IT (EP 3,975,559)
CN 114245123	GR (EP 3,975,559)	IT (EP 4,387,232)
CN 114245124	GR (EP 4,387,232)	IT (EP 4,507,308)
CN 114245125	HK 40066004	IT (EP 4,510,587)
CN 114257809	HK 40066005	JP 7,201,776
CN 114531585	HK 40066006	JP 7,269,455
CN 114531587	HK 40066007	JP 7,269,456
	HK 40071040	JP 7,269,457
	HK 40071404	JP 7,353,521
	HK 40072997	JP 7,353,522

JP 7,353,523	PT (EP 3,975,559)	US 11,792,522
JP 7,354,398	PT (EP 4,387,232)	US 11,792,523
JP 7,413,596	PT (EP 4,507,308)	US 11,792,524
JP 7,540,109	PT (EP 4,510,587)	US 11,792,525
JP 7,540,110	RO (EP 3,975,559)	US 11,792,526
JP 7,540,111	RO (EP 4,387,232)	US 11,812,155
JP 7,612,920	RS (EP 3,975,559)	US 11,818,396
JP 7,612,921	RS (EP 4,387,232)	US 11,831,914
JP 7,743,584	SE (EP 3,975,559)	US 11,831,915
JP 7,751,041	SE (EP 4,387,232)	US 11,831,916
JP 7,751,042	SE (EP 4,507,308)	US 11,831,917
JP 7,751,043	SE (EP 4,510,587)	US 11,838,639
JP 7,751,044	SI (EP 3,975,559)	US 11,838,640
KR 2,224,668	SI (EP 4,387,232)	US 11,843,866
KR 2,801,971	SK (EP 3,975,559)	US 11,863,732
KR 2,840,288	SK (EP 4,387,232)	US 11,936,841
KR 2,840,289	SM (EP 3,975,559)	US 11,949,846
KR 2,840,290	SM (EP 4,387,232)	US 11,949,913
KR 2,846,902	TR (EP 3,975,559)	US 11,962,744
LI (EP 3,975,559)	TR (EP 4,387,232)	US 11,991,339
LI (EP 4,387,232)	TR (EP 4,507,308)	US 11,997,391
LI (EP 4,507,308)	TR (EP 4,510,587)	US 12,108,017
LI (EP 4,510,587)	US 11,165,958	US 12,126,786
LT (EP 3,975,559)	US 11,412,137	US 12,126,787
LT (EP 4,387,232)	US 11,431,902	US 12,126,912
LU (EP 3,975,559)	US 11,438,506	US 12,132,880
LU (EP 4,387,232)	US 11,463,672	US 12,137,289
LU (EP 4,507,308)	US 11,470,251	US 12,149,672
LU (EP 4,510,587)	US 11,528,414	US 12,167,037
LV (EP 3,975,559)	US 11,539,881	US 12,177,482
LV (EP 4,387,232)	US 11,539,882	US 12,206,829
MC (EP 3,975,559)	US 11,539,883	US 12,219,263
MC (EP 4,387,232)	US 11,546,511	US 12,225,231
MK (EP 3,975,559)	US 11,546,512	US 12,225,232
MK (EP 4,387,232)	US 11,546,513	US 12,231,774
MT (EP 3,975,559)	US 11,553,130	US 12,231,775
MT (EP 4,387,232)	US 11,553,131	US 12,238,423
NL (EP 3,975,559)	US 11,553,168	US 12,244,930
NL (EP 4,387,232)	US 11,601,677	US 12,250,406
NL (EP 4,507,308)	US 11,606,499	US 12,483,794
NL (EP 4,510,587)	US 11,677,926	US 12,489,979
NO (EP 3,975,559)	US 11,696,035	US 12,501,167
NO (EP 4,387,232)	US 11,706,531	US 12,513,405
NO (EP 4,507,308)	US 11,758,189	US 12,520,046
NO (EP 4,510,587)	US 11,758,190	VN 1-2019-02282
PL (EP 3,975,559)	US 11,758,191	VN 1-2021-07208
PL (EP 4,387,232)	US 11,778,158	VN 1-2022-00255
PL (EP 4,507,308)	US 11,778,331	VN 1-2022-00257
PL (EP 4,510,587)	US 11,778,332	VN 1-2022-00262

VN 1-2022-00263
 VN 1-2022-01418
 VN 1-2022-01419
 VN 1-2022-01422
 VN 1-2022-01423
 VN 41821
 VN 41822
 VN 41823
 VN 41824
 VN 42191
 VN 42194
 VN 44404
 VN 44405
 VN 44406
 VN 44407
 VN 44408

Cisco Systems Canada Co.

US 7,400,681 - Exp. Feb 11, 2026

Cisco Technology, Inc.

US 7,684,489

Dolby International AB

AT (EP 2,512,136)
 AT (EP 2,887,671)
 AT (EP 3,399,756)
 AT (EP 3,758,380)
 AT (EP 3,758,381)
 AT (EP 3,836,550)
 AT (EP 3,920,538)
 AU 2008239653
 AU 2008241568
 AU 2012238296
 AU 2012238297
 AU 2012278382
 AU 2015202314
 BE (EP 2,512,136)
 BE (EP 2,887,671)
 BE (EP 3,399,756)
 BE (EP 3,758,380)
 BE (EP 3,758,381)
 BE (EP 3,836,550)
 BE (EP 3,920,538)
 BR PI0304568-4
 BR PI-0408570-1

BR PI0410320-3
 BR PI0809510-8
 BR 122018004903-0
 BR 122018004904-9
 BR 122018004906-5
 CH (EP 2,512,136)
 CH (EP 2,887,671)
 CH (EP 3,399,756)
 CH (EP 3,758,380)
 CH (EP 3,758,381)
 CH (EP 3,836,550)
 CH (EP 3,920,538)
 CN 200880011698.X
 CZ (EP 2,512,136)
 CZ (EP 2,887,671)
 CZ (EP 3,399,756)
 CZ (EP 3,758,380)
 CZ (EP 3,758,381)
 CZ (EP 3,836,550)
 CZ (EP 3,920,538)
 DE (EP 2,512,135)
 DE (EP 2,512,136)
 DE (EP 2,887,671)
 DE (EP 3,399,756)
 DE (EP 3,758,380)
 DE (EP 3,758,381)
 DE (EP 3,836,550)
 DE (EP 3,920,538)
 DE (EP 3,920,538)
 EE (EP 2,887,671)
 EE (EP 3,399,756)
 EE (EP 3,758,380)
 EE (EP 3,758,381)
 EE (EP 3,836,550)
 EE (EP 3,920,538)
 EE (EP 3,920,538)
 ES (EP 2,512,136)
 ES (EP 2,887,671)
 ES (EP 3,399,756)
 ES (EP 3,758,380)
 ES (EP 3,758,381)
 ES (EP 3,836,550)
 ES (EP 3,920,538)
 FI (EP 2,512,136)

FI (EP 3,399,756)
 FI (EP 3,758,380)
 FI (EP 3,758,381)
 FI (EP 3,836,550)
 FI (EP 3,920,538)
 FR (EP 2,512,135)
 FR (EP 2,512,136)
 FR (EP 2,887,671)
 FR (EP 3,399,756)
 FR (EP 3,758,380)
 FR (EP 3,758,381)
 FR (EP 3,836,550)
 FR (EP 3,920,538)
 GB (EP 2,512,136)
 GB (EP 2,887,671)
 GB (EP 3,399,756)
 GB (EP 3,758,380)
 GB (EP 3,758,381)
 GB (EP 3,836,550)
 GB (EP 3,920,538)
 GR (EP 2,512,136)
 HK 1,255,617
 HK 40033548
 HK 40033581
 HK 40044425
 HU (EP 2,512,136)
 HU (EP 2,887,671)
 HU (EP 3,399,756)
 HU (EP 3,758,380)
 HU (EP 3,758,381)
 HU (EP 3,836,550)
 HU (EP 3,920,538)
 IE (EP 2,512,136)
 IE (EP 3,399,756)
 IE (EP 3,758,380)
 IE (EP 3,758,381)
 IE (EP 3,836,550)
 IE (EP 3,920,538)
 IN 306797
 IN 423822
 IT (EP 2,512,136)
 IT (EP 2,887,671)
 IT (EP 3,399,756)
 IT (EP 3,758,380)
 IT (EP 3,758,381)
 IT (EP 3,836,550)
 IT (EP 3,920,538)
 JP 5,026,584
 JP 5,069,811

JP 5,150,781
 JP 5,324,563
 JP 5,674,873
 JP 6,825,155
 JP 7,116,812
 JP 7,357,125
 JP 7,605,516
 KR 716,142
 KR 1,467,601
 KR 1,646,089
 KR 1,766,479
 KR 1,885,790
 KR 1,965,781
 KR 2,044,130
 KR 2,123,772
 KR 2,204,262
 KR 2,510,010
 KR 2,715,349
 LI (EP 2,512,136)
 LI (EP 2,887,671)
 LI (EP 3,399,756)
 LI (EP 3,758,380)
 LI (EP 3,758,381)
 LI (EP 3,836,550)
 LI (EP 3,920,538)
 LT (EP 2,887,671)
 LU (EP 2,512,136)
 LU (EP 2,887,671)
 LU (EP 3,399,756)
 LU (EP 3,758,380)
 LU (EP 3,758,381)
 LU (EP 3,836,550)
 LU (EP 3,920,538)
 LV (EP 3,399,756)
 LV (EP 3,758,380)
 LV (EP 3,758,381)
 LV (EP 3,836,550)
 LV (EP 3,920,538)
 MC (EP 2,512,136)
 MT (EP 2,512,136)
 MT (EP 2,887,671)
 MX 297,667
 MX 304,576
 MX 318,296
 MX 318,297
 MX 318,298
 MY 167744-A - Exp. Mar 24, 2026
 NL (EP 2,512,136)
 NL (EP 2,887,671)

NL (EP 3,399,756)
 NL (EP 3,758,380)
 NL (EP 3,758,381)
 NL (EP 3,836,550)
 NL (EP 3,920,538)
 NO (EP 2,887,671)
 NO (EP 3,399,756)
 NO (EP 3,758,380)
 NO (EP 3,758,381)
 NO (EP 3,836,550)
 NO (EP 3,920,538)
 PL (EP 2,512,136)
 PL (EP 2,887,671)
 PL (EP 3,399,756)
 PL (EP 3,758,380)
 PL (EP 3,758,381)
 PL (EP 3,836,550)
 PL (EP 3,920,538)
 PT (EP 2,512,136)
 PT (EP 2,887,671)
 PT (EP 3,399,756)
 PT (EP 3,758,380)
 PT (EP 3,758,381)
 PT (EP 3,836,550)
 PT (EP 3,920,538)
 RO (EP 2,512,136)
 RO (EP 2,887,671)
 RU 2501179
 RU 2,521,618
 RU 2,651,227
 RU 2,684,184
 RU 2,709,671
 RU 2,721,941
 RU 2,733,273
 RU 2,752,572
 RU 2,763,966
 RU 2,789,309
 RU 2,813,744
 SE (EP 2,512,136)
 SE (EP 2,887,671)
 SE (EP 3,399,756)
 SE (EP 3,758,380)
 SE (EP 3,758,381)
 SE (EP 3,836,550)
 SE (EP 3,920,538)
 SI (EP 2,887,671)
 SI (EP 3,399,756)
 SI (EP 3,758,380)
 SI (EP 3,758,381)

SI (EP 3,836,550)
 SI (EP 3,920,538)
 SK (EP 2,512,136)
 SK (EP 2,887,671)
 SK (EP 3,399,756)
 SK (EP 3,758,380)
 SK (EP 3,758,381)
 SK (EP 3,836,550)
 SK (EP 3,920,538)
 TR (EP 2,512,136)
 TR (EP 2,887,671)
 TR (EP 3,399,756)
 TR (EP 3,758,380)
 TR (EP 3,758,381)
 TR (EP 3,836,550)
 TR (EP 3,920,538)
 TW I415450
 TW I445393
 TW I445407
 US Re. 46,924
 US Re. 48,035
 US Re. 50,574
 US 10,298,948
 VN 1-0014619
 VN 12809
 VN 22362
 VN 30446
 VN 44927
 VN 45110
 VN 45418
 VN 48260
 VN 51124
 VN 100 12388
 VN 10014713
 ZA 2009/06749
 ZA 2009/06982
 ZA 2010/06649

Dolby Laboratories Licensing Corporation

AE 6837
 AE 6838
 AE 8094
 AL (EP 3,079,055)
 AL (EP 3,514,677)
 AL (EP 3,595,281)
 AL (EP 3,742,715)
 AM (EA 039463)

AM (EA 042523)	BE (EP 3,523,970)	BY (EA 048724)
AM (EA 042564)	BE (EP 3,595,281)	BY (EA 050028)
AM (EA 044734)	BE (EP 3,742,715)	BY (EA 052026)
AM (EA 047543)	BE (EP 3,800,542)	CA 2,933,940
AM (EA 048261)	BE (EP 3,800,543)	CA 3,006,841
AM (EA 048724)	BE (EP 3,850,847)	CA 3,039,361
AM (EA 050028)	BE (EP 3,974,956)	CA 3,112,712
AM (EA 052026)	BE (EP 4,009,620 C0)	CA 3,114,379
AT (EP 2,308,239)	BE (EP 4,064,706)	CA 3,114,448
AT (EP 3,079,055)	BE (EP 4,072,137)	CA 3,187,271
AT (EP 3,514,677)	BE (EP 4,137,929)	CA 3,198,207
AT (EP 3,523,970)	BE (EP 4,150,909)	CA 3,198,226
AT (EP 3,595,281)	BE (EP 4,155,898)	CF (OA 19660)
AT (EP 3,742,715)	BE (EP 4,160,385)	CG (OA 19660)
AT (EP 3,850,847)	BE (EP 4,236,325)	CH (EP 2,308,239)
AT (EP 4,009,620 C0)	BE (EP 4,300,974)	CH (EP 3,079,055)
AT (EP 4,064,706)	BE (EP 4,472,202)	CH (EP 3,514,677)
AT (EP 4,072,137)	BE (EP 4,472,203)	CH (EP 3,523,970)
AT (EP 4,150,909)	BF (OA 19660)	CH (EP 3,595,281)
AT (EP 4,236,325)	BG (EP 2,308,239)	CH (EP 3,742,715)
AT (EP 4,300,974)	BG (EP 3,079,055)	CH (EP 3,800,542)
AU 2016203100	BG (EP 3,514,677)	CH (EP 3,800,543)
AU 2016203103	BG (EP 3,595,281)	CH (EP 3,850,847)
AU 2016204179	BG (EP 3,742,715)	CH (EP 3,974,956)
AU 2017339463	BG (EP 3,800,542)	CH (EP 4,009,620 C0)
AU 2018206694	BG (EP 3,800,543)	CH (EP 4,064,706)
AU 2019264649	BG (EP 3,974,956)	CH (EP 4,072,137)
AU 2020230291	BG (EP 4,009,620 C0)	CH (EP 4,137,929)
AU 2021201806	BG (EP 4,137,929)	CH (EP 4,150,909)
AU 2022201261	BG (EP 4,155,898)	CH (EP 4,155,898)
AU 2022204421	BG (EP 4,160,385)	CH (EP 4,160,385)
AU 2022235573	BG (EP 4,472,202)	CH (EP 4,236,325)
AU 2022291562	BG (EP 4,472,203)	CH (EP 4,300,974)
AU 2023204114	BJ (OA 19660)	CH (EP 4,472,202)
AU 2023210569	BR 112018001465-6	CH (EP 4,472,203)
AU 2023285711	BR 122023000952-5	CI (OA 19660)
AU 2024201690	BR 122023000972-0	CL 63,859
AZ (EA 039463)	BR 122023000978-9	CM (OA 19660)
AZ (EA 042523)	BR 122023000991-6	CN 102100074
AZ (EA 042564)	BW (AP 6125)	CN 102301715
AZ (EA 044734)	BW (AP 6941)	CN 103563347
AZ (EA 047543)	BW (AP 7595)	CN 103873738
AZ (EA 048261)	BW (AP 7968)	CN 105357509
AZ (EA 048724)	BY (EA 039463)	CN 105357510
AZ (EA 050028)	BY (EA 042523)	CN 105357533
AZ (EA 052026)	BY (EA 042564)	CN 105357534
BE (EP 2,308,239)	BY (EA 044734)	CN 105376549
BE (EP 3,079,055)	BY (EA 047543)	CN 105407341
BE (EP 3,514,677)	BY (EA 048261)	CN 105472369

CN 105791861	CZ (EP 3,974,956)	DK (EP 4,155,898)
CN 105915753	CZ (EP 4,009,620 C0)	DK (EP 4,160,385)
CN 105915754	CZ (EP 4,064,706)	DK (EP 4,236,325)
CN 105915755	CZ (EP 4,072,137)	DK (EP 4,300,974)
CN 106095351	CZ (EP 4,137,929)	DK (EP 4,472,202)
CN 106095352	CZ (EP 4,150,909)	DK (EP 4,472,203)
CN 106095353	CZ (EP 4,155,898)	EE (EP 3,079,055)
CN 106095354	CZ (EP 4,160,385)	EE (EP 3,514,677)
CN 106095355	CZ (EP 4,236,325)	EE (EP 3,523,970)
CN 106095356	CZ (EP 4,300,974)	EE (EP 3,595,281)
CN 106095358	CZ (EP 4,472,202)	EE (EP 3,742,715)
CN 109937572	CZ (EP 4,472,203)	EE (EP 3,800,542)
CN 110267046	DE (EP 2,308,239)	EE (EP 3,800,543)
CN 111971964	DE (EP 2,716,028)	EE (EP 3,850,847)
CN 114666594	DE (EP 3,079,055)	EE (EP 3,974,956)
CN 114666595	DE (EP 3,514,677)	EE (EP 4,009,620 C0)
CN 114666596	DE (EP 3,523,970)	EE (EP 4,064,706)
CN 114666597	DE (EP 3,595,281)	EE (EP 4,072,137)
CN 114666598	DE (EP 3,742,715)	EE (EP 4,137,929)
CN 114666599	DE (EP 3,800,542)	EE (EP 4,150,909)
CN 114845109	DE (EP 3,800,543)	EE (EP 4,155,898)
CN 114845110	DE (EP 3,850,847)	EE (EP 4,160,385)
CN 114845111	DE (EP 3,974,956)	EE (EP 4,236,325)
CN 115702564	DE (EP 4,009,620 C0)	EE (EP 4,300,974)
CN 116582673	DE (EP 4,064,706)	EE (EP 4,472,202)
CN 116582675	DE (EP 4,072,137)	EE (EP 4,472,203)
CN 116582676	DE (EP 4,137,929)	ES (EP 2,308,239)
CN 116614634	DE (EP 4,150,909)	ES (EP 3,079,055)
CN 116668696	DE (EP 4,155,898)	ES (EP 3,514,677)
CN 116744010	DE (EP 4,160,385)	ES (EP 3,523,970)
CN 116744011	DE (EP 4,236,325)	ES (EP 3,595,281)
CN 117014611	DE (EP 4,300,974)	ES (EP 3,742,715)
CN 117478882	DE (EP 4,472,202)	ES (EP 3,800,542)
CO 39273	DE (EP 4,472,203)	ES (EP 3,800,543)
CO 41016	DK (EP 2,308,239)	ES (EP 3,850,847)
CO 42394	DK (EP 3,079,055)	ES (EP 3,974,956)
CY (EP 3,079,055)	DK (EP 3,514,677)	ES (EP 4,009,620 C0)
CY (EP 3,514,677)	DK (EP 3,523,970)	ES (EP 4,064,706)
CY (EP 3,595,281)	DK (EP 3,595,281)	ES (EP 4,072,137)
CY (EP 3,742,715)	DK (EP 3,742,715)	ES (EP 4,137,929)
CZ (EP 2,308,239)	DK (EP 3,800,542)	ES (EP 4,150,909)
CZ (EP 3,079,055)	DK (EP 3,800,543)	ES (EP 4,155,898)
CZ (EP 3,514,677)	DK (EP 3,850,847)	ES (EP 4,160,385)
CZ (EP 3,523,970)	DK (EP 3,974,956)	ES (EP 4,236,325)
CZ (EP 3,595,281)	DK (EP 4,009,620 C0)	ES (EP 4,300,974)
CZ (EP 3,742,715)	DK (EP 4,064,706)	ES (EP 4,472,202)
CZ (EP 3,800,542)	DK (EP 4,072,137)	ES (EP 4,472,203)
CZ (EP 3,800,543)	DK (EP 4,137,929)	FI (EP 3,079,055)
CZ (EP 3,850,847)	DK (EP 4,150,909)	FI (EP 3,514,677)

FI (EP 3,523,970)	GB (EP 3,800,543)	HK 1,227,202
FI (EP 3,595,281)	GB (EP 3,850,847)	HK 1,227,590
FI (EP 3,742,715)	GB (EP 3,974,956)	HK 1,229,922
FI (EP 3,800,542)	GB (EP 4,009,620 C0)	HK 1231191
FI (EP 3,800,543)	GB (EP 4,064,706)	HK 1231192
FI (EP 3,850,847)	GB (EP 4,072,137)	HK 1231193
FI (EP 3,974,956)	GB (EP 4,137,929)	HK 1,231,195
FI (EP 4,009,620 C0)	GB (EP 4,150,909)	HK 1231196
FI (EP 4,064,706)	GB (EP 4,155,898)	HK 40010357
FI (EP 4,072,137)	GB (EP 4,160,385)	HK 40010382
FI (EP 4,137,929)	GB (EP 4,236,325)	HK 40010573
FI (EP 4,150,909)	GB (EP 4,300,974)	HK 40012966
FI (EP 4,155,898)	GB (EP 4,472,202)	HK 40035149
FI (EP 4,160,385)	GB (EP 4,472,203)	HK 40041880
FI (EP 4,236,325)	GH (AP 6125)	HK 40049320
FI (EP 4,300,974)	GH (AP 6941)	HK 40049879
FI (EP 4,472,202)	GH (AP 7595)	HK 40067049
FI (EP 4,472,203)	GH (AP 7968)	HK 40069190
FR (EP 2,308,239)	GM (AP 6125)	HK 40069255
FR (EP 2,716,028)	GM (AP 6941)	HK 40069256
FR (EP 3,079,055)	GM (AP 7595)	HK 40085735
FR (EP 3,514,677)	GM (AP 7968)	HK 40090617
FR (EP 3,523,970)	GN (OA 19660)	HK 40090947
FR (EP 3,595,281)	GQ (OA 19660)	HK 40091904
FR (EP 3,742,715)	GR (EP 2,308,239)	HK 40098573
FR (EP 3,800,542)	GR (EP 3,079,055)	HK 40112223
FR (EP 3,800,543)	GR (EP 3,514,677)	HR (EP 3,079,055)
FR (EP 3,850,847)	GR (EP 3,523,970)	HR (EP 3,514,677)
FR (EP 3,974,956)	GR (EP 3,595,281)	HR (EP 3,523,970)
FR (EP 4,009,620 C0)	GR (EP 3,742,715)	HR (EP 3,595,281)
FR (EP 4,064,706)	GR (EP 3,800,542)	HR (EP 3,742,715)
FR (EP 4,072,137)	GR (EP 3,800,543)	HR (EP 3,800,542)
FR (EP 4,137,929)	GR (EP 3,974,956)	HR (EP 3,800,543)
FR (EP 4,150,909)	GR (EP 4,137,929)	HR (EP 3,850,847)
FR (EP 4,155,898)	GR (EP 4,155,898)	HR (EP 3,974,956)
FR (EP 4,160,385)	GR (EP 4,160,385)	HR (EP 4,009,620 C0)
FR (EP 4,236,325)	GR (EP 4,472,202)	HR (EP 4,064,706)
FR (EP 4,300,974)	GR (EP 4,472,203)	HR (EP 4,072,137)
FR (EP 4,472,202)	GW (OA 19660)	HR (EP 4,137,929)
FR (EP 4,472,203)	HK 1191778	HR (EP 4,150,909)
GA (OA 19660)	HK 1198088	HR (EP 4,155,898)
GB (EP 2,308,239)	HK 1,220,301	HR (EP 4,160,385)
GB (EP 2,716,028)	HK 1,220,303	HR (EP 4,236,325)
GB (EP 3,079,055)	HK 1,220,563	HR (EP 4,300,974)
GB (EP 3,514,677)	HK 1,220,564	HR (EP 4,472,202)
GB (EP 3,523,970)	HK 1,221,360	HR (EP 4,472,203)
GB (EP 3,595,281)	HK 1,221,361	HU (EP 2,308,239)
GB (EP 3,742,715)	HK 1,222,495	HU (EP 3,079,055)
GB (EP 3,800,542)	HK 1,227,201	HU (EP 3,514,677)

HU (EP 3,523,970)	IL 295131	JP 6,180,566
HU (EP 3,595,281)	IL 296162	JP 6,224,052
HU (EP 3,742,715)	IL 304034	JP 6,366,641
HU (EP 3,800,542)	IL 305702	JP 6,561,098
HU (EP 3,800,543)	IL 310,366	JP 6,640,929
HU (EP 3,850,847)	IN 490303	JP 6,871,366
HU (EP 3,974,956)	IN 492801	JP 6,905,010
HU (EP 4,009,620 C0)	IN 541566	JP 7,049,419
HU (EP 4,064,706)	IN 541570	JP 7,087,100
HU (EP 4,072,137)	IN 541691	JP 7,091,306
HU (EP 4,137,929)	IN 541693	JP 7,145,290
HU (EP 4,150,909)	IN 550878	JP 7,246,542
HU (EP 4,155,898)	IN 562879	JP 7,275,345
HU (EP 4,160,385)	IS (EP 3,079,055)	JP 7,353,520
HU (EP 4,236,325)	IS (EP 3,514,677)	JP 7,411,727
HU (EP 4,300,974)	IS (EP 3,595,281)	JP 7,421,674
HU (EP 4,472,202)	IS (EP 3,742,715)	JP 7,422,832
HU (EP 4,472,203)	IS (EP 3,800,542)	JP 7,422,833
ID P000090281	IS (EP 3,800,543)	JP 7,559,171
ID P000090285	IS (EP 3,974,956)	JP 7,568,182
ID P000092070	IS (EP 4,137,929)	JP 7,602,572
ID P000095531	IS (EP 4,155,898)	JP 7,603,133
ID P000102301	IS (EP 4,160,385)	JP 7,612,061
IE (EP 2,308,239)	IS (EP 4,472,202)	JP 7,612,062
IE (EP 3,079,055)	IS (EP 4,472,203)	JP 7,647,005
IE (EP 3,514,677)	IT (EP 2,308,239)	JP 7,659,039
IE (EP 3,523,970)	IT (EP 2,716,028)	JP 7,688,217
IE (EP 3,595,281)	IT (EP 3,079,055)	JP 7,699,279
IE (EP 3,742,715)	IT (EP 3,514,677)	JP 7,699,280
IE (EP 3,800,542)	IT (EP 3,523,970)	JP 7,702,558
IE (EP 3,800,543)	IT (EP 3,595,281)	JP 7,707,397
IE (EP 3,850,847)	IT (EP 3,742,715)	JP 7,717,247
IE (EP 3,974,956)	IT (EP 3,800,542)	JP 7,717,248
IE (EP 4,009,620 C0)	IT (EP 3,800,543)	JP 7,747,859
IE (EP 4,064,706)	IT (EP 3,850,847)	JP 7,747,860
IE (EP 4,072,137)	IT (EP 3,974,956)	JP 7,781,252
IE (EP 4,137,929)	IT (EP 4,009,620 C0)	KE (AP 6125)
IE (EP 4,150,909)	IT (EP 4,064,706)	KE (AP 6941)
IE (EP 4,155,898)	IT (EP 4,072,137)	KE (AP 7595)
IE (EP 4,160,385)	IT (EP 4,137,929)	KE (AP 7968)
IE (EP 4,236,325)	IT (EP 4,150,909)	KG (EA 039463)
IE (EP 4,300,974)	IT (EP 4,155,898)	KG (EA 042523)
IE (EP 4,472,202)	IT (EP 4,160,385)	KG (EA 042564)
IE (EP 4,472,203)	IT (EP 4,236,325)	KG (EA 044734)
IL 265,771	IT (EP 4,300,974)	KG (EA 047543)
IL 277365	IT (EP 4,472,202)	KG (EA 048261)
IL 280688	IT (EP 4,472,203)	KG (EA 048724)
IL 287875	JP 5,406,942	KG (EA 050028)
IL 289965	JP 5,562,408	KG (EA 052026)

KH /GRRP.SG/00029	LI (EP 3,514,677)	LV (EP 4,009,620 C0)
KH /GP/00082 SG	LI (EP 3,523,970)	MC (EP 3,079,055)
KM (OA 19660)	LI (EP 3,595,281)	MC (EP 3,514,677)
KR 1,405,019	LI (EP 3,742,715)	MC (EP 3,523,970)
KR 1,405,032	LI (EP 3,800,542)	MC (EP 3,595,281)
KR 1,768,435	LI (EP 3,800,543)	MC (EP 3,742,715)
KR 1,812,469	LI (EP 3,850,847)	MK (EP 3,079,055)
KR 1,865,543	LI (EP 3,974,956)	MK (EP 3,514,677)
KR 2,105,317	LI (EP 4,009,620 C0)	MK (EP 3,595,281)
KR 2,141,193	LI (EP 4,064,706)	MK (EP 3,742,715)
KR 2,197,273	LI (EP 4,072,137)	ML (OA 19660)
KR 2,197,647	LI (EP 4,137,929)	MO J/002075
KR 2,222,476	LI (EP 4,150,909)	MO J/003489
KR 2,245,919	LI (EP 4,155,898)	MO J/003619
KR 2,284,891	LI (EP 4,160,385)	MO J/004098
KR 2,304,448	LI (EP 4,236,325)	MO J/006352
KR 2,311,046	LI (EP 4,300,974)	MO J/007454
KR 2,332,475	LI (EP 4,472,202)	MO J/008156
KR 2,377,426	LI (EP 4,472,203)	MO J/008982
KR 2,380,163	LR (AP 6125)	MO J/009006
KR 2,385,015	LR (AP 6941)	MO J/009007
KR 2,433,239	LR (AP 7595)	MO J/009008
KR 2,502,747	LR (AP 7968)	MR (OA 19660)
KR 2,526,108	LS (AP 6125)	MT (EP 3,079,055)
KR 2,553,977	LS (AP 6941)	MT (EP 3,514,677)
KR 2,602,528	LS (AP 7595)	MT (EP 3,595,281)
KR 2,655,945	LS (AP 7968)	MT (EP 3,742,715)
KR 2,656,330	LT (EP 2,308,239)	MT (EP 4,009,620 C0)
KR 2,672,149	LT (EP 3,079,055)	MW (AP 6125)
KR 2,717,224	LT (EP 3,514,677)	MW (AP 6941)
KR 2,717,738	LT (EP 3,595,281)	MW (AP 7595)
KR 2,753,389	LT (EP 3,742,715)	MW (AP 7968)
KR 2,758,666	LT (EP 4,009,620 C0)	MX 342,823
KR 2,758,672	LU (EP 3,079,055)	MX 365,964
KR 2,776,564	LU (EP 3,514,677)	MX 365,965
KR 2,820,501	LU (EP 3,523,970)	MX 371,677
KZ (EA 039463)	LU (EP 3,595,281)	MX 380258
KZ (EA 042523)	LU (EP 3,742,715)	MX 388842
KZ (EA 042564)	LU (EP 3,850,847)	MX 406720
KZ (EA 044734)	LU (EP 4,009,620 C0)	MX 407173
KZ (EA 047543)	LU (EP 4,064,706)	MX 411618
KZ (EA 048261)	LU (EP 4,072,137)	MX 413083
KZ (EA 048724)	LU (EP 4,150,909)	MY 193501-A
KZ (EA 050028)	LU (EP 4,236,325)	MY 198864-A
KZ (EA 052026)	LU (EP 4,300,974)	MY 201472-A
LA 958	LV (EP 3,079,055)	MY 203733-A
LA 959	LV (EP 3,514,677)	MY 203888-A
LI (EP 2,308,239)	LV (EP 3,595,281)	MZ (AP 6125)
LI (EP 3,079,055)	LV (EP 3,742,715)	MZ (AP 6941)

MZ (AP 7595)	NO (EP 4,155,898)	PT (EP 4,472,202)
MZ (AP 7968)	NO (EP 4,160,385)	PT (EP 4,472,203)
NA (AP 6125)	NO (EP 4,236,325)	RO (EP 2,308,239)
NA (AP 6941)	NO (EP 4,300,974)	RO (EP 3,079,055)
NA (AP 7595)	NO (EP 4,472,202)	RO (EP 3,514,677)
NA (AP 7968)	NO (EP 4,472,203)	RO (EP 3,595,281)
NE (OA 19660)	OM 00506	RO (EP 3,742,715)
NG/PT/C/2020/4909	PH 1/2019/500718	RO (EP 3,800,542)
NG/PT/PCT/2021/5867	PH 12020551511	RO (EP 3,800,543)
NG F/P/2022/153	PL (EP 2,308,239)	RO (EP 3,974,956)
NG F/P/2022/154	PL (EP 3,079,055)	RO (EP 4,009,620 C0)
NG F/P/2022/156	PL (EP 3,514,677)	RO (EP 4,137,929)
NG F/P/2022/159	PL (EP 3,523,970)	RO (EP 4,155,898)
NL (EP 2,308,239)	PL (EP 3,595,281)	RO (EP 4,160,385)
NL (EP 3,079,055)	PL (EP 3,742,715)	RO (EP 4,472,202)
NL (EP 3,514,677)	PL (EP 3,800,542)	RO (EP 4,472,203)
NL (EP 3,523,970)	PL (EP 3,800,543)	RS (EP 3,079,055)
NL (EP 3,595,281)	PL (EP 3,850,847)	RS (EP 3,514,677)
NL (EP 3,742,715)	PL (EP 3,974,956)	RS (EP 3,595,281)
NL (EP 3,800,542)	PL (EP 4,009,620 C0)	RS (EP 3,742,715)
NL (EP 3,800,543)	PL (EP 4,064,706)	RS (EP 3,800,542)
NL (EP 3,850,847)	PL (EP 4,072,137)	RS (EP 3,800,543)
NL (EP 3,974,956)	PL (EP 4,137,929)	RS (EP 3,974,956)
NL (EP 4,009,620 C0)	PL (EP 4,150,909)	RS (EP 4,137,929)
NL (EP 4,064,706)	PL (EP 4,155,898)	RS (EP 4,155,898)
NL (EP 4,072,137)	PL (EP 4,160,385)	RS (EP 4,160,385)
NL (EP 4,137,929)	PL (EP 4,236,325)	RS (EP 4,472,202)
NL (EP 4,150,909)	PL (EP 4,300,974)	RS (EP 4,472,203)
NL (EP 4,155,898)	PL (EP 4,472,202)	RU (EA 039463)
NL (EP 4,160,385)	PL (EP 4,472,203)	RU (EA 042523)
NL (EP 4,236,325)	PT (EP 2,308,239)	RU (EA 042564)
NL (EP 4,300,974)	PT (EP 3,079,055)	RU (EA 044734)
NL (EP 4,472,202)	PT (EP 3,514,677)	RU (EA 047543)
NL (EP 4,472,203)	PT (EP 3,523,970)	RU (EA 048261)
NO (EP 2,308,239)	PT (EP 3,595,281)	RU (EA 048724)
NO (EP 3,079,055)	PT (EP 3,742,715)	RU (EA 050028)
NO (EP 3,514,677)	PT (EP 3,800,542)	RU (EA 052026)
NO (EP 3,523,970)	PT (EP 3,800,543)	RU 2,665,211
NO (EP 3,595,281)	PT (EP 3,850,847)	RU 2,711,102
NO (EP 3,742,715)	PT (EP 3,974,956)	RU 2,728,845
NO (EP 3,800,542)	PT (EP 4,009,620 C0)	RU 2,736,103
NO (EP 3,800,543)	PT (EP 4,064,706)	RU 2,772,241
NO (EP 3,850,847)	PT (EP 4,072,137)	RW (AP 6125)
NO (EP 3,974,956)	PT (EP 4,137,929)	RW (AP 6941)
NO (EP 4,009,620 C0)	PT (EP 4,150,909)	RW (AP 7595)
NO (EP 4,064,706)	PT (EP 4,155,898)	RW (AP 7968)
NO (EP 4,072,137)	PT (EP 4,160,385)	SA 20224
NO (EP 4,137,929)	PT (EP 4,236,325)	SA 20365
NO (EP 4,150,909)	PT (EP 4,300,974)	SA 20815

SD (AP 6125)	SK (EP 4,150,909)	TR (EP 3,800,543)
SD (AP 6941)	SK (EP 4,236,325)	TR (EP 3,850,847)
SD (AP 7595)	SK (EP 4,300,974)	TR (EP 3,974,956)
SD (AP 7968)	SL (AP 6125)	TR (EP 4,009,620 C0)
SE (EP 2,308,239)	SL (AP 6941)	TR (EP 4,064,706)
SE (EP 3,079,055)	SL (AP 7595)	TR (EP 4,072,137)
SE (EP 3,514,677)	SL (AP 7968)	TR (EP 4,137,929)
SE (EP 3,523,970)	SM (EP 3,079,055)	TR (EP 4,150,909)
SE (EP 3,595,281)	SM (EP 3,514,677)	TR (EP 4,155,898)
SE (EP 3,742,715)	SM (EP 3,595,281)	TR (EP 4,160,385)
SE (EP 3,800,542)	SM (EP 3,742,715)	TR (EP 4,236,325)
SE (EP 3,800,543)	SN (OA 19660)	TR (EP 4,300,974)
SE (EP 3,850,847)	ST (AP 6125)	TR (EP 4,472,202)
SE (EP 3,974,956)	ST (AP 6941)	TR (EP 4,472,203)
SE (EP 4,009,620 C0)	ST (AP 7595)	TZ (AP 6125)
SE (EP 4,064,706)	ST (AP 7968)	TZ (AP 6941)
SE (EP 4,072,137)	SZ (AP 6125)	TZ (AP 7595)
SE (EP 4,137,929)	SZ (AP 6941)	TZ (AP 7968)
SE (EP 4,150,909)	SZ (AP 7595)	UA 124806
SE (EP 4,155,898)	SZ (AP 7968)	UA 128323
SE (EP 4,160,385)	TD (OA 19660)	UA 129191
SE (EP 4,236,325)	TG (OA 19660)	UA 129781
SE (EP 4,300,974)	TH 88077	UG (AP 6125)
SE (EP 4,472,202)	TJ (EA 039463)	UG (AP 6941)
SE (EP 4,472,203)	TJ (EA 042523)	UG (AP 7595)
SG 10201604112P	TJ (EA 042564)	UG (AP 7968)
SG 10201604130U	TJ (EA 044734)	US 7,742,655
SG 10201607838P	TJ (EA 047543)	US 7,894,530
SG 10202102102T	TJ (EA 048261)	US 7,899,113
SG 10202300347X	TJ (EA 048724)	US 8,150,206
SG 10202400240V	TJ (EA 050028)	US 8,228,986
SG 10202400241Q	TJ (EA 052026)	US 8,233,538
SG 10202401555W	TM (EA 039463)	US 8,279,927
SG 11201902914S	TM (EA 042523)	US 8,331,450
SI (EP 3,079,055)	TM (EA 042564)	US 8,374,237
SI (EP 3,514,677)	TM (EA 044734)	US 8,761,251
SI (EP 3,595,281)	TM (EA 047543)	US 8,780,998
SI (EP 3,742,715)	TM (EA 048261)	US 9,025,670
SI (EP 4,009,620 C0)	TM (EA 048724)	US 9,185,384
SK (EP 2,308,239)	TM (EA 050028)	US 9,219,923
SK (EP 3,079,055)	TM (EA 052026)	US 9,232,235
SK (EP 3,514,677)	TR (EP 2,308,239)	US 9,288,499
SK (EP 3,523,970)	TR (EP 2,716,028)	US 9,420,311
SK (EP 3,595,281)	TR (EP 3,079,055)	US 9,445,116
SK (EP 3,742,715)	TR (EP 3,514,677)	US 9,521,419
SK (EP 3,850,847)	TR (EP 3,523,970)	US 9,685,139
SK (EP 4,009,620 C0)	TR (EP 3,595,281)	US 9,697,799
SK (EP 4,064,706)	TR (EP 3,742,715)	US 9,706,217
SK (EP 4,072,137)	TR (EP 3,800,542)	US 9,712,801

US 9,774,882
 US 9,838,705
 US 9,843,785
 US 9,912,931
 US 9,959,837
 US 9,973,771
 US 9,986,254
 US 9,992,476
 US 10,038,891
 US 10,038,916
 US 10,129,557
 US 10,136,118
 US 10,194,172
 US 10,264,235
 US 10,362,334
 US 10,382,788
 US 10,419,739
 US 10,432,958
 US 10,504,205
 US 10,609,413
 US 10,621,952
 US 10,701,397
 US 10,721,453
 US 10,764,596
 US 10,779,008
 US 10,957,283
 US 10,999,585
 US 11,025,961
 US 11,190,749
 US 11,218,709
 US 11,284,110
 US 11,323,728
 US 11,477,480
 US 11,523,127
 US 11,570,480
 US 11,582,472
 US 11,587,529
 US 11,595,693
 US 11,600,244
 US 11,622,130
 US 11,677,982
 US 11,736,703
 US 11,785,263
 US 11,792,428
 US 11,792,429
 US 11,818,372
 US 11,871,015
 US 11,887,560
 US 11,910,025

US 11,917,171
 US 11,924,477
 US 11,936,888
 US 11,973,980
 US 11,979,588
 US 11,979,589
 US 12,003,741
 US 12,015,793
 US 12,028,555
 US 12,034,972
 US 12,041,275
 US 12,058,371
 US 12,058,372
 US 12,075,098
 US 12,081,778
 US 12,081,797
 US 12,096,029
 US 12,096,038
 US 12,108,060
 US 12,108,061
 US 12,108,086
 US 12,114,021
 US 12,120,357
 US 12,120,358
 US 12,167,048
 US 12,177,488
 US 12,200,271
 US 12,206,908
 US 12,217,724
 US 12,231,660
 US 12,328,438
 US 12,335,500
 US 12,348,740
 US 12,348,781
 US 12,355,993
 US 12,356,018
 US 12,363,326
 US 12,368,899
 US 12,375,732
 US 12,418,666
 US 12,418,667
 US 12,432,364
 US 12,519,977
 VN 35211
 VN 35977
 VN 43301
 VN 46044
 VN 49296
 VN 49602

VN 50057
 VN 51042
 VN 51979
 VN 52235
 VN 52382
 VN 52384
 VN 54079
 VN 54119
 VN 54659
 VN 54661
 ZM (AP 6125)
 ZM (AP 6941)
 ZM (AP 7595)
 ZM (AP 7968)
 ZW (AP 6125)
 ZW (AP 6941)
 ZW (AP 7595)
 ZW (AP 7968)

**Electronics and
 Telecommunications Research
 Institute**

US 8,406,310 - Exp. Apr 21, 2026
 US 9,154,786

**Electronics and
 Telecommunications Research
 Institute and Korea Advanced
 Institute of Science and
 Technology (KAIST)**

US 8,184,153

**Fraunhofer-Gesellschaft zur
 Foerderung der angewandten
 Forschung e.V.**

AU 2023200478
 AU 2023204177
 AU 2023204178
 AU 2023204179
 AU 2023204180
 AU 2023204181
 AU 2023204182
 AU 2023204184
 AU 2023204185
 AU 2023204186
 BE (EP 2,123,052)

BG (EP 2,123,052)	FR (EP 2,123,052)	KR 1,341,111
BR PI 0516336-6	GB (EP 2,123,052)	KR 2,256,855
BR PI 0516348-0	GR (EP 2,123,052)	KR 2,301,352
BR 102023010473-8	HU (EP 2,123,052)	KR 2,301,362
BR 12 2018 016188-4	IN 492454	KR 2,310,040
BR 122018016193-0	IN 521571	KR 2,331,887
CA 3,013,657	IN 551609	KR 2,332,006
CA 3,167,144	IN 553133	KR 2,373,013
CA 3,197,905	IN 559422	KR 2,373,046
CL 71,581	IN 559428	KR 2,373,060
CN 102547277	IN 564462	KR 2,373,078
CN 109076247	IN 564468	KR 2,385,126
CN 110089118B	IN 564475	KR 2,420,290
CN 113347439B	IT (EP 2,123,052)	KR 2,433,227
CN 113347440B	JP 5,014,438	KR 2,433,820
CN 113347441B	JP 6,784,767	KR 2,433,821
CN 113347442B	JP 7,093,453	KR 2,433,822
CN 113347443B	JP 7,093,454	KR 2,498,840
CN 113347444B	JP 7,093,455	KR 2,498,842
CN 113347445	JP 7,152,574	KR 2,511,319
CN 113347446B	JP 7,152,575	KR 2,511,320
CN 113347447B	JP 7,157,836	KR 2,560,639
CN 114928733	JP 7,295,186	KR 2,653,128
CN 114928734	JP 7,303,170	KR 2,708,379
CN 114928735	JP 7,303,266	MA 60463 B1
CN 114928736	JP 7,361,972	MX 393311
CN 114928737	JP 7,361,973	MX 397985
CN 115037916	JP 7,361,974	MX 398630
CN 115037918	JP 7,361,975	MX 400314
CN 115037919	JP 7,361,976	MX 400699
CN 115037920	JP 7,361,977	MX 400700
CN 116634163	JP 7,361,978	MX 400701
CN 116847071	JP 7,405,931	MX 400702
CN 116847072	JP 7,410,101	MX 403,827
CN 116847073	JP 7,423,844	MX 410,075
CN 116847074	JP 7,436,598	MX 410,077
CN 116847075	JP 7,436,599	MX 410,080
CN 116847076	JP 7,451,805	MX 410,081
CN 116847077	JP 7,460,722	MX 410,082
CN 116847078	JP 7,464,673	MX 410,083
CN 116847079	JP 7,464,674	MX 410,084
CN 200680008132.2 - Exp. Mar 22, 2026	JP 7,508,651	MX 410,085
CN 200780050109.4	JP 7,550,196	MX 410,086
CZ (EP 2,123,052)	JP 7,550,197	MX 410,087
DE (EP 2,123,052)	JP 7,684,263	MX 411624
EE (EP 2,123,052)	KE (AP 7908)	MY 207325-A
ES (EP 2,123,052)	KR 1,168,294	NG F/PT/C/2023/7894
ET PT173 B1	KR 1,175,593	NG F/PT/PCT/2024/13532
	KR 1,190,227	NL (EP 2,123,052)

PL (EP 2,123,052)
PT (EP 2,123,052)
SA 20748
SE (EP 2,123,052)
SG 10202301501X
TR (EP 2,123,052)
TW I445412
TW I664857
TW I669946
TW I736895
TW I747775
TW I750072
TW I753263
TW I762206
TW I762207
TW I762259
TW I762260
TW I793532
TW I793533
TW I810763
TW I850969
TW I871646
US 7,599,435
US 7,702,013
US 8,218,628
US 8,565,304
US 8,867,619 - Exp. Apr 30, 2026
US 8,873,622
US 9,362,949
US 9,450,608
US 9,490,837
US 9,490,838
US 10,958,921
US 11,089,314
US 11,089,315
US 11,122,282
US 11,128,877
US 11,146,804
US 11,172,213
US 11,184,626
US 11,190,785
US 11,212,542
US 11,218,530
US 11,283,850
US 11,489,900
US 11,496,538
US 11,496,539
US 11,496,540
US 11,496,541

US 11,516,273
US 11,539,778
US 11,546,404
US 11,695,965
US 11,770,546
US 11,849,076
US 11,849,077
US 11,871,041
US 11,902,593
US 11,962,812
US 11,962,813
US 11,997,320
US 12,022,131
US 12,137,256
US 12,149,719
US 12,231,664
US 12,250,388
US 12,262,035
US 12,382,107
US 12,464,169
US 12,519,847
VN 28918
VN 31201
VN 31202
VN 31203
VN 31204
VN 31205
VN 31206
VN 31207
VN 32207
VN 32336
VN 52455
VN 52640
VN 52645
VN 53518
ZA 202305828

Godø Kaisha IP Bridge 1

BR PI0206629-7
BR PI0206777-3
BR PI0206820-6
BR PI 0303566-2
BR PI 0303673-1
BR PI0303901-3
BR PI0304528-5
BR PI0304543-9
BR PI0304558-7
BR PI0305554-0

BR PI0306560-0
BR PI0306684-3
BR PI0306987-7
BR PI0307119-7
BR PI0307197-9
BR PI0318759-4
BR PI 0318797-7
BR PI 0318816-7
BR PI0406424-0
MY 140969
MY 141699
US 7,515,635 - Exp. Feb 12, 2026
US 7,542,510 - Exp. Mar 7, 2026
US 7,742,528 - Exp. Apr 3, 2026
US 7,760,803
US 7,881,375
US 8,009,731
US 8,009,733
US 8,184,697
US 8,204,112
US 8,223,841
US 8,254,468
US 8,265,403
US 8,345,770
US 9,426,490

Google LLC

US 7,555,044 - Exp. Feb 7, 2026
US 10,165,306

Industry-Academy Cooperation Foundation of Sejong University

US 12,341,961

Koninklijke Philips N.V.

BR PI0315552-8
US 8,391,371
US 9,036,715

LG Electronics Inc.

BR PI 0407671-0
BR PI 0419287-7
BR 122014032858-3
BR 122014032866-4
BR 122014032870-2

CN 108702528
JP 6,993,430
KR 934,671
KR 947,234
KR 2,157,655
KR 2,271,444
KR 2,344,073
KR 2,680,458
US 7,706,451
US 7,711,053
US 7,711,054
US 7,782,943
US 7,782,944
US 7,782,946
US 7,782,947
US 7,782,948
US 7,817,865
US 7,831,102
US 8,115,804
US 8,130,842
US 8,149,919
US 8,467,620 - Exp. Feb 18, 2026
US 8,467,622 - Exp. Feb 18, 2026
US 8,472,738 - Exp. Feb 18, 2026
US 10,567,811
US 10,880,535
US 11,006,156
US 11,871,053

Maxell, Ltd.

US 7,970,058

Microsoft Corporation

US 7,609,767
US 8,265,148
US 8,374,245
US 8,379,722
US 10,368,105

Mitsubishi Electric Corporation

JP 4,762,936
JP 4,890,201
US 7,903,737

NTT DOCOMO, INC.

US 7,596,178
US 7,760,950
US 7,916,959

Orange SA

BR P10519842-9
DE (EP 2,052,545)
ES (EP 2,052,545)
FR (EP 2,052,545)
GB (EP 2,052,545)
IT (EP 2,052,545)
US 8,315,315
US 8,422,805
US 8,743,950

Panasonic Holdings Corporation

AT (EP 3,624,459)
AT (EP 3,687,177)
AT (EP 3,697,097)
AT (EP 4,093,035)
AT (EP 4,093,036)
AT (EP 4,093,037)
AT (EP 4,093,038)
AT (EP 4,109,906)
AT (EP 4,109,907)
AT (EP 4,114,014)
BE (EP 3,624,459)
BE (EP 3,687,177)
BE (EP 3,697,097)
BE (EP 4,093,035)
BE (EP 4,093,036)
BE (EP 4,093,037)
BE (EP 4,093,038)
BE (EP 4,109,906)
BE (EP 4,109,907)
BE (EP 4,114,014)
BR PI 0205954-1
BR PI0206157-0
BR PI 0216048-0
BR PI 0216072-2
BR PI 0302580-2
BR PI 0303336-8
BR PI 0303342-2
BR PI0303661-8
BR PI0304534-0

BR PI 0305432-2
BR PI0406507-7
CH (EP 3,624,459)
CH (EP 3,687,177)
CH (EP 3,697,097)
CH (EP 4,093,035)
CH (EP 4,093,036)
CH (EP 4,093,037)
CH (EP 4,093,038)
CH (EP 4,109,906)
CH (EP 4,109,907)
CH (EP 4,114,014)
CN 107005726 B
CN 109155854B
CN 111432238
CN 111432239
CN 111432240B
CN 111432241 B
CN 112492315 B
CN 112492317B
CN 112492318B
CN 112492319 B
CN 112492321 B
CN 114679588
CN 114979647
CN 114979648
CN 114979650
CN 115037939
CN 115037949
CN 115150618
CN 115150619
CN 115150630
CZ (EP 3,624,459)
CZ (EP 3,687,177)
CZ (EP 3,697,097)
CZ (EP 4,093,035)
CZ (EP 4,093,036)
CZ (EP 4,093,037)
CZ (EP 4,093,038)
CZ (EP 4,109,906)
CZ (EP 4,109,907)
CZ (EP 4,114,014)
DE (EP 3,214,840)
DE (EP 3,624,459)
DE (EP 3,687,177)
DE (EP 3,697,097)
DE (EP 4,093,035)
DE (EP 4,093,036)
DE (EP 4,093,037)

DE (EP 4,093,038)	FR (EP 4,093,036)	IN 532329
DE (EP 4,109,906)	FR (EP 4,093,037)	IN 532335
DE (EP 4,109,907)	FR (EP 4,093,038)	IN 532499
DE (EP 4,114,014)	FR (EP 4,109,906)	IT (EP 3,624,459)
DK (EP 3,624,459)	FR (EP 4,109,907)	IT (EP 3,687,177)
DK (EP 3,687,177)	FR (EP 4,114,014)	IT (EP 3,697,097)
DK (EP 3,697,097)	GB (EP 3,214,840)	IT (EP 4,093,035)
DK (EP 4,093,035)	GB (EP 3,624,459)	IT (EP 4,093,036)
DK (EP 4,093,036)	GB (EP 3,687,177)	IT (EP 4,093,037)
DK (EP 4,093,037)	GB (EP 3,697,097)	IT (EP 4,093,038)
DK (EP 4,093,038)	GB (EP 4,093,035)	IT (EP 4,109,906)
DK (EP 4,109,906)	GB (EP 4,093,036)	IT (EP 4,109,907)
DK (EP 4,109,907)	GB (EP 4,093,037)	IT (EP 4,114,014)
DK (EP 4,114,014)	GB (EP 4,093,038)	JP 4,560,143
EE (EP 3,624,459)	GB (EP 4,109,906)	JP 4,628,490
EE (EP 3,687,177)	GB (EP 4,109,907)	JP 4,628,493
EE (EP 3,697,097)	GB (EP 4,114,014)	JP 4,647,034
EE (EP 4,093,035)	GR (EP 3,624,459)	JP 5,318,041
EE (EP 4,093,036)	GR (EP 3,687,177)	JP 6,601,729
EE (EP 4,093,037)	GR (EP 3,697,097)	JP 6,742,003
EE (EP 4,093,038)	GR (EP 4,093,035)	JP 6,742,004
EE (EP 4,109,906)	GR (EP 4,093,036)	JP 6,745,494
EE (EP 4,109,907)	GR (EP 4,093,037)	JP 6,775,158
EE (EP 4,114,014)	GR (EP 4,093,038)	JP 6,803,552
ES (EP 3,624,459)	GR (EP 4,109,906)	JP 6,851,026
ES (EP 3,687,177)	GR (EP 4,109,907)	JP 6,851,027
ES (EP 3,697,097)	GR (EP 4,114,014)	JP 6,851,028
ES (EP 4,093,035)	HU (EP 3,624,459)	JP 6,857,834
ES (EP 4,093,036)	HU (EP 3,687,177)	JP 7,340,563
ES (EP 4,093,037)	HU (EP 3,697,097)	JP 7,686,858
ES (EP 4,093,038)	HU (EP 4,093,035)	JP 7,686,859
ES (EP 4,109,906)	HU (EP 4,093,036)	JP 7,686,860
ES (EP 4,109,907)	HU (EP 4,093,037)	JP 7,693,076
ES (EP 4,114,014)	HU (EP 4,093,038)	LI (EP 3,624,459)
FI (EP 3,624,459)	HU (EP 4,109,906)	LI (EP 3,687,177)
FI (EP 3,687,177)	HU (EP 4,109,907)	LI (EP 3,697,097)
FI (EP 3,697,097)	HU (EP 4,114,014)	LI (EP 4,093,035)
FI (EP 4,093,035)	IE (EP 3,624,459)	LI (EP 4,093,036)
FI (EP 4,093,036)	IE (EP 3,687,177)	LI (EP 4,093,037)
FI (EP 4,093,037)	IE (EP 3,697,097)	LI (EP 4,093,038)
FI (EP 4,093,038)	IE (EP 4,093,035)	LI (EP 4,109,906)
FI (EP 4,109,906)	IE (EP 4,093,036)	LI (EP 4,109,907)
FI (EP 4,109,907)	IE (EP 4,093,037)	LI (EP 4,114,014)
FI (EP 4,114,014)	IE (EP 4,093,038)	MX 258,980
FR (EP 3,214,840)	IE (EP 4,109,906)	MX 361131
FR (EP 3,624,459)	IE (EP 4,109,907)	MX 366,971
FR (EP 3,687,177)	IE (EP 4,114,014)	MX 383827
FR (EP 3,697,097)	IN 438081	MX 389,193
FR (EP 4,093,035)	IN 532324	MX 390,639

MX 393,117
 NL (EP 3,624,459)
 NL (EP 3,687,177)
 NL (EP 3,697,097)
 NL (EP 4,093,035)
 NL (EP 4,093,036)
 NL (EP 4,093,037)
 NL (EP 4,093,038)
 NL (EP 4,109,906)
 NL (EP 4,109,907)
 NL (EP 4,114,014)
 NO (EP 3,624,459)
 NO (EP 3,687,177)
 NO (EP 3,697,097)
 NO (EP 4,093,035)
 NO (EP 4,093,036)
 NO (EP 4,093,037)
 NO (EP 4,093,038)
 NO (EP 4,109,906)
 NO (EP 4,109,907)
 NO (EP 4,114,014)
 PL (EP 3,624,459)
 PL (EP 3,687,177)
 PL (EP 3,697,097)
 PL (EP 4,093,035)
 PL (EP 4,093,036)
 PL (EP 4,093,037)
 PL (EP 4,093,038)
 PL (EP 4,109,906)
 PL (EP 4,109,907)
 PL (EP 4,114,014)
 PT (EP 3,624,459)
 PT (EP 3,687,177)
 PT (EP 3,697,097)
 PT (EP 4,093,035)
 PT (EP 4,093,036)
 PT (EP 4,093,037)
 PT (EP 4,093,038)
 PT (EP 4,109,906)
 PT (EP 4,109,907)
 PT (EP 4,114,014)
 RO (EP 3,624,459)
 RO (EP 3,687,177)
 RO (EP 3,697,097)
 RO (EP 4,093,035)
 RO (EP 4,093,036)
 RO (EP 4,093,037)
 RO (EP 4,093,038)
 RO (EP 4,109,906)

RO (EP 4,109,907)
 RO (EP 4,114,014)
 SE (EP 3,624,459)
 SE (EP 3,687,177)
 SE (EP 3,697,097)
 SE (EP 4,093,035)
 SE (EP 4,093,036)
 SE (EP 4,093,037)
 SE (EP 4,093,038)
 SE (EP 4,109,906)
 SE (EP 4,109,907)
 SE (EP 4,114,014)
 SK (EP 3,624,459)
 SK (EP 3,687,177)
 SK (EP 3,697,097)
 SK (EP 4,093,035)
 SK (EP 4,093,036)
 SK (EP 4,093,037)
 SK (EP 4,093,038)
 SK (EP 4,109,906)
 SK (EP 4,109,907)
 SK (EP 4,114,014)
 TR (EP 3,624,459)
 TR (EP 3,687,177)
 TR (EP 3,697,097)
 TR (EP 4,093,035)
 TR (EP 4,093,036)
 TR (EP 4,093,037)
 TR (EP 4,093,038)
 TR (EP 4,109,906)
 TR (EP 4,109,907)
 TR (EP 4,114,014)
 TW I842000
 TW I874184
 TW I874185
 TW I874186
 TW I874187
 TW I874188
 TW I878091
 TW I886900
 TW I908022
 US 7,630,435
 US 7,912,122
 US 7,916,782
 US 7,933,327
 US 7,940,845 - Exp. Mar 5, 2026
 US 7,944,977
 US 7,961,793
 US 7,995,658

US 8,081,678
 US 8,290,046
 US 8,290,047
 US 8,451,890
 US 8,548,040
 US 8,553,761
 US 10,123,392
 US 10,327,306
 US 10,383,194
 US 10,426,014
 US 10,440,800
 US 10,624,174
 US 10,681,788
 US 10,687,402
 US 10,887,968
 US 10,939,529
 US 11,962,804
 US 11,985,349
 US 12,063,390
 US 12,069,303

Polycom, LLC

BR PI 0212000-3

Sharp Corporation

CN 102638684
 CN 200780031669.5
 JP 4,454,678 - Exp. Feb 28, 2026
 US 8,194,997
 US 8,532,176

Siemens AG

BR PI0109962-0
 CN 101194514 - Exp. Mar 29, 2026
 CN 103404145
 DE (EP 2,630,800)
 GB (EP 2,630,800)
 KR 1,968,700
 US 8,270,489
 US 8,948,739
 US 9,356,620

Sony Group Corporation

US 7,778,331
 US 8,315,313

US 10,477,270

Tagivan II LLC

BR PI 0304549-8

US 8,155,201

US 8,179,968

US 8,213,510

Toshiba Corporation

BR PI0304533-1

BR PI0307635-0

BR 122018011874-1

BR 122018011875-0

BR 122018011876-8

BR 122018011878-4

JP 5,640,104

JP 5,697,332

JP 5,769,740

JP 6,026,443

NL (EP 2,005,607)

PL (EP 2,005,607)

SE (EP 2,005,607)

TR (EP 2,005,607)

US Re. 44,939

US 7,643,560

US 8,594,202

US 8,761,263

US 8,861,613

US 9,077,964

US 9,179,160

US 9,743,099

US 10,027,970

**Vestel Elektronik Sanayi ve
Ticaret A.S.**

US 8,077,987

XYLENE HOLDING S.A.

BR PI0214328-3

Vidyo, Inc.

AU 2007-230602

AU 2012-201235

AU 2012-202123

AU 2006 321552

AU 2007309044

AU 2011205017

AU 2012 216587

AU 2012 226283

BE (EP 2,005,607)

CA 2,633,819

CA 2,666,601

CA 2,763,089

CA 2,829,290

CN 101371312

CN 103416002

CN 105049894

CN 200780011497.5

CZ (EP 2,005,607)

DE (EP 2,005,607)

ES (EP 2,005,607)

FR (EP 2,005,607)

GB (EP 2,005,607)

IT (EP 2,005,607)

JP 5,351,761