

Apple Inc.

AU 2014216004	IN 567209	TW I558173
AU 2014281169	IN 568216	TW I580253
AU 2016200770	IN 569598	TW I634782
AU 2017265177	IN 571724	TW I643492
AU 2018203223	IN 575068	TW I695618
AU 2020202363	IN 593257	TW I718949
AU 2021203738	JP 5,965,442	TW I748859
AU 2021245204	JP 6,322,670	TW I803070
AU 2023202567	JP 6,553,220	TW I840210
AU 2024200364	JP 6,559,829	TW I863850
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BR 122017003532-0	JP 7,364,818	US 9,510,002
BR 122018010825-8	JP 7,407,319	US 10,250,883
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CN 112219397	JP 7,486,586	US 10,602,143
CN 112237003	JP 7,596,567	US 10,986,341
CN 112425160	JP 7,625,678	US 11,012,691
CN 112740677	JP 7,725,691	US 11,025,944
CN 112970251	JP 7,788,018	US 11,431,974
CN 113056912	KR 1,752,401	US 11,463,723
CN 113439439	KR 1,810,205	US 11,632,542
CN 116112684	KR 1,918,255	US 11,632,562
CN 116366840	KR 1,952,293	US 11,659,182
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CN 201711338030.3	KR 2,123,094	US 11,729,376
CN 201711338851.7	KR 2,123,197	US 11,825,086
CN 201711339634.X	KR 2,123,198	US 11,930,170
CN 201711339635.4	KR 2,444,244	US 11,936,895
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HK 40057597	KR 2,608,847	US 11,962,763
IL 273712	KR 2,613,836	US 11,962,778
IL 275656	KR 2,617,439	US 12,010,305
IL 278312	KR 2,871,243	US 12,028,522
IL 289536	KR 2,956,279	US 12,063,364
IL 296063	KR 2,970,190	US 12,069,263
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IL 307455	MX 374,210	US 12,126,824
IL 312943	MX 418704	US 12,160,576
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IN 413520	MY 206884-A	US 12,192,471
IN 413566	MY 207067-A	US 12,238,286
IN 436916	MY 207515-A	US 12,256,070
IN 545620	MY 207618-A	US 12,309,418
IN 553927	MY 209882-A	US 12,445,609
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IN 559499	RU 2,693,310	US 12,542,903
IN 565157	RU 2,709,797	US 12,610,055
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British Broadcasting Corporation

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 GB 2,579,824

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Fujitsu Limited

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IN 336,441	MX 338,369	AU 2015249105
IN 391485	MX 344,446	AU 2015255239
IN 395436	MX 344,749	AU 2015255240
IN 492130	MX 344,753	AU 2015255241
IN 493059	MX 344,754	AU 2015255242
IN 523284	MX 344,755	AU 2015261606
IN 523317	MX 347,421	AU 2015261607
IN 523343	MX 348,224	AU 2015261608
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JP 5,003,620	TW I565306	BE (EP 2,752,004)
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JP 5,800,077	US 9,426,488	BE (EP 2,774,374)
JP 5,891,975	US 9,426,489	BE (EP 2,786,577)
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JP 6,202,141	US 9,838,698	BE (EP 2,945,376)
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JP 6,229,759	US 9,973,774	BE (EP 2,945,381)
JP 6,237,830	US 10,070,144	BE (EP 2,950,535)
JP 6,237,831	US 10,148,966	BE (EP 3,276,963)
JP 7,004,001	US 11,089,326	BE (EP 3,324,627)
JP 7,156,471		BE (EP 3,331,244 C0)
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KR 1,429,407	AR 92786	BE (EP 3,346,447)
KR 1,429,408	AR 096102	BE (EP 3,361,728 C0)
KR 1,429,409	AR 96103	BE (EP 3,364,372 C0)
KR 1,503,190	AT (EP 3,331,244 C0)	BE (EP 3,364,373 C0)
KR 1,612,162	AT (EP 3,361,728 C0)	BE (EP 3,379,492 C0)
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CN 107888921	CN 201280047349.X	CZ (EP 3,843,393)
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FI (EP 3,364,372 C0)	GB (EP 2,773,117)	GR (EP 2,942,954)
FI (EP 3,364,373 C0)	GB (EP 2,773,118)	GR (EP 2,950,535)
FI (EP 3,379,492 C0)	GB (EP 2,774,120)	GR (EP 3,276,963)
FR (EP 2,752,004)	GB (EP 2,774,122)	GR (EP 3,324,627)
FR (EP 2,752,005)	GB (EP 2,774,374)	GR (EP 3,331,244 C0)
FR (EP 2,752,006)	GB (EP 2,786,577)	GR (EP 3,361,728 C0)
FR (EP 2,773,117)	GB (EP 2,916,545)	GR (EP 3,364,372 C0)
FR (EP 2,773,118)	GB (EP 2,941,004)	GR (EP 3,364,373 C0)
FR (EP 2,774,120)	GB (EP 2,942,954)	GR (EP 3,379,492 C0)
FR (EP 2,774,122)	GB (EP 2,942,956)	GR (EP 3,402,200)
FR (EP 2,774,374)	GB (EP 2,945,376)	GR (EP 3,402,201)
FR (EP 2,786,577)	GB (EP 2,945,380)	GR (EP 3,402,202)
FR (EP 2,916,545)	GB (EP 2,945,381)	GR (EP 3,432,579)
FR (EP 2,941,004)	GB (EP 2,950,535)	GR (EP 3,432,580)
FR (EP 2,942,954)	GB (EP 3,276,963)	GR (EP 3,448,034)
FR (EP 2,942,956)	GB (EP 3,324,627)	GR (EP 3,829,172)
FR (EP 2,945,376)	GB (EP 3,331,244 C0)	GR (EP 3,829,174)
FR (EP 2,945,380)	GB (EP 3,343,915)	GR (EP 3,829,175)
FR (EP 2,945,381)	GB (EP 3,346,447)	GR (EP 3,829,176)
FR (EP 2,950,535)	GB (EP 3,361,728 C0)	GR (EP 3,843,392)
FR (EP 3,276,963)	GB (EP 3,364,372 C0)	GR (EP 3,843,393)
FR (EP 3,324,627)	GB (EP 3,364,373 C0)	GR (EP 3,917,147)
FR (EP 3,331,244 C0)	GB (EP 3,379,492 C0)	HK 1,214,054
FR (EP 3,343,915)	GB (EP 3,402,191)	HK 1,214,055
FR (EP 3,346,447)	GB (EP 3,402,199)	HK 1,214,056
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FR (EP 3,379,492 C0)	GB (EP 3,432,579)	HK 1,214,700
FR (EP 3,402,191)	GB (EP 3,432,580)	HK 1,214,702
FR (EP 3,402,199)	GB (EP 3,448,033)	HK 1,214,704
FR (EP 3,402,200)	GB (EP 3,448,034)	HK 1,214,705
FR (EP 3,402,201)	GB (EP 3,579,554)	HK 1,214,899
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FR (EP 3,432,579)	GB (EP 3,579,556)	HK 1,214,901
FR (EP 3,432,580)	GB (EP 3,829,172)	HK 1,215,634
FR (EP 3,448,033)	GB (EP 3,829,174)	HK 1,215,635
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FR (EP 3,579,554)	GB (EP 3,829,176)	HK 1,215,637
FR (EP 3,579,555)	GB (EP 3,843,392)	HK 1,215,638
FR (EP 3,579,556)	GB (EP 3,843,393)	HK 1,215,639
FR (EP 3,829,172)	GB (EP 3,917,147)	HK 1,215,640

HK 1,215,641	HU (EP 3,448,034)	IL 231706
HR (EP 2,752,004)	HU (EP 3,579,554)	IL 231707
HR (EP 2,752,005)	HU (EP 3,579,555)	IL 231,708
HR (EP 2,752,006)	HU (EP 3,579,556)	IL 239725
HR (EP 2,773,117)	HU (EP 3,829,172)	IL 239,726
HR (EP 2,773,118)	HU (EP 3,829,174)	IL 239,727
HR (EP 2,774,120)	HU (EP 3,829,175)	IL 239,728
HR (EP 2,774,122)	HU (EP 3,829,176)	IL 247673
HR (EP 2,774,374)	HU (EP 3,843,392)	IL 247,674
HR (EP 2,786,577)	HU (EP 3,843,393)	IL 247675
HR (EP 2,942,954)	HU (EP 3,917,147)	IL 247,676
HR (EP 2,950,535)	ID P000045439	IL 250,027
HR (EP 3,331,244 C0)	ID P000047390	IL 250,029
HR (EP 3,361,728 C0)	ID P000048231	IL 250,030
HR (EP 3,364,372 C0)	ID P000048707	IL 250,031
HR (EP 3,364,373 C0)	ID P000060942	IL 252379
HR (EP 3,379,492 C0)	ID P000061900	IL 259,929
HU (EP 2,752,004)	ID P000063927	IL 265035
HU (EP 2,752,005)	ID P000063928	IL 276270
HU (EP 2,752,006)	ID P000063948	IN 311428
HU (EP 2,773,117)	ID P000066406	IN 342,493
HU (EP 2,773,118)	ID P000066566	IN 353377
HU (EP 2,774,120)	ID P000069125	IN 360004
HU (EP 2,774,122)	ID P000071599	IN 366166
HU (EP 2,774,374)	ID P000071600	IN 366888
HU (EP 2,786,577)	ID P000075435	IN 368779
HU (EP 2,916,545)	ID P000075436	IN 372062
HU (EP 2,941,004)	ID P000075881	IN 376764
HU (EP 2,942,954)	ID P000077878	IN 378567
HU (EP 2,942,956)	ID P000077883	IN 394296
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HU (EP 2,945,380)	ID P000078301	IN 408802
HU (EP 2,945,381)	ID P000080594	IN 411919
HU (EP 2,950,535)	IE (EP 2,752,004)	IN 416497
HU (EP 3,276,963)	IE (EP 2,752,005)	IN 419043
HU (EP 3,324,627)	IE (EP 2,752,006)	IN 422987
HU (EP 3,331,244 C0)	IE (EP 2,773,117)	IN 430269
HU (EP 3,343,915)	IE (EP 2,773,118)	IN 430557
HU (EP 3,346,447)	IE (EP 2,774,120)	IN 430783
HU (EP 3,361,728 C0)	IE (EP 2,774,122)	IN 436945
HU (EP 3,364,372 C0)	IE (EP 2,774,374)	IN 437024
HU (EP 3,364,373 C0)	IE (EP 2,786,577)	IN 447585
HU (EP 3,379,492 C0)	IE (EP 2,950,535)	IN 472149
HU (EP 3,402,191)	IE (EP 3,331,244 C0)	IN 472174
HU (EP 3,402,199)	IE (EP 3,361,728 C0)	IN 472190
HU (EP 3,402,200)	IE (EP 3,364,372 C0)	IN 472198
HU (EP 3,402,201)	IE (EP 3,364,373 C0)	IN 472377
HU (EP 3,402,202)	IE (EP 3,379,492 C0)	IN 474722
HU (EP 3,432,579)	IE (EP 3,432,579)	IN 475540
HU (EP 3,432,580)	IE (EP 3,917,147)	IN 479869
HU (EP 3,448,033)	IL 231705	IN 479873

IN 479888	IN 553593	IT (EP 3,276,963)
IN 505544	IN 553599	IT (EP 3,324,627)
IN 505562	IN 554307	IT (EP 3,331,244 C0)
IN 506985	IN 554528	IT (EP 3,343,915)
IN 513800	IN 554532	IT (EP 3,346,447)
IN 513803	IN 554540	IT (EP 3,361,728 C0)
IN 513830	IN 554653	IT (EP 3,364,372 C0)
IN 516808	IN 555109	IT (EP 3,364,373 C0)
IN 517749	IN 555829	IT (EP 3,379,492 C0)
IN 519259	IN 558239	IT (EP 3,402,191)
IN 523542	IN 558319	IT (EP 3,402,199)
IN 523548	IN 559828	IT (EP 3,402,200)
IN 523760	IN 559831	IT (EP 3,402,201)
IN 524183	IN 560483	IT (EP 3,402,202)
IN 524187	IN 562651	IT (EP 3,432,579)
IN 524190	IN 564557	IT (EP 3,432,580)
IN 524191	IN 564559	IT (EP 3,448,033)
IN 524777	IN 564561	IT (EP 3,448,034)
IN 532235	IN 564562	IT (EP 3,579,554)
IN 532236	IN 586257	IT (EP 3,579,555)
IN 532237	IN 586274	IT (EP 3,579,556)
IN 532238	IN 586276	IT (EP 3,829,172)
IN 532239	IN 586282	IT (EP 3,829,174)
IN 533415	IN 586539	IT (EP 3,829,175)
IN 533542	IN 586540	IT (EP 3,829,176)
IN 533919	IN 586542	IT (EP 3,843,392)
IN 533937	IN 586543	IT (EP 3,843,393)
IN 533938	IN 586552	IT (EP 3,917,147)
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IN 533941	IN 597028	JP 5,714,781
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IN 534913	IN 597953	JP 5,728,671
IN 535905	IN 597959	JP 5,731,078
IN 538272	IN 597980	JP 5,750,579
IN 542769	IT (EP 2,752,004)	JP 5,789,057
IN 544041	IT (EP 2,752,005)	JP 5,789,343
IN 544046	IT (EP 2,752,006)	JP 5,792,396
IN 546390	IT (EP 2,773,117)	JP 5,823,628
IN 546732	IT (EP 2,773,118)	JP 5,827,412
IN 550195	IT (EP 2,774,120)	JP 5,828,967
IN 550196	IT (EP 2,774,122)	JP 5,830,175
IN 550197	IT (EP 2,774,374)	JP 5,832,660
IN 550198	IT (EP 2,786,577)	JP 5,841,264
IN 550325	IT (EP 2,916,545)	JP 5,846,666
IN 550345	IT (EP 2,941,004)	JP 5,846,674
IN 553568	IT (EP 2,942,954)	JP 5,846,675
IN 553572	IT (EP 2,942,956)	JP 5,846,676
IN 553576	IT (EP 2,945,376)	JP 5,905,613
IN 553578	IT (EP 2,945,380)	JP 5,914,680
IN 553584	IT (EP 2,945,381)	JP 5,923,618
IN 553589	IT (EP 2,950,535)	JP 5,989,838

JP 5,989,839	JP 6,367,413	LI (EP 3,402,191)
JP 5,989,840	JP 6,419,230	LI (EP 3,402,199)
JP 5,989,841	JP 6,469,265	LI (EP 3,402,200)
JP 5,990,299	JP 6,505,763	LI (EP 3,402,201)
JP 5,990,300	JP 6,553,769	LI (EP 3,402,202)
JP 6,005,790	JP 6,607,417	LI (EP 3,432,579)
JP 6,005,791	JP 6,636,573	LI (EP 3,432,580)
JP 6,005,792	JP 6,648,315	LI (EP 3,448,033)
JP 6,006,394	JP 6,660,074	LI (EP 3,448,034)
JP 6,006,395	JP 6,680,925	LI (EP 3,579,554)
JP 6,006,763	JP 6,685,208	LI (EP 3,579,555)
JP 6,023,842	JP 6,711,944	LI (EP 3,579,556)
JP 6,026,600	JP 6,906,070	LI (EP 3,829,172)
JP 6,026,601	JP 6,932,177	LI (EP 3,829,174)
JP 6,026,602	JP 6,974,516	LI (EP 3,829,175)
JP 6,047,614	JP 6,995,910	LI (EP 3,829,176)
JP 6,047,615	JP 7,192,044	LI (EP 3,843,392)
JP 6,047,616	JP 7,192,045	LI (EP 3,843,393)
JP 6,073,442	JP 7,210,664	LI (EP 3,917,147)
JP 6,073,444	JP 7,445,793	LT (EP 2,752,004)
JP 6,073,445	JP 7,500,786	LT (EP 2,752,005)
JP 6,074,475	JP 7,640,764	LT (EP 2,752,006)
JP 6,074,476	KH /P/2022/00020 SG	LT (EP 2,773,117)
JP 6,074,477	KR 1,452,195	LT (EP 2,773,118)
JP 6,076,438	KR 1,472,971	LT (EP 2,774,120)
JP 6,081,553	LI (EP 2,752,004)	LT (EP 2,774,122)
JP 6,093,815	LI (EP 2,752,005)	LT (EP 2,774,374)
JP 6,101,316	LI (EP 2,752,006)	LT (EP 2,786,577)
JP 6,101,752	LI (EP 2,773,117)	LT (EP 2,950,535)
JP 6,101,753	LI (EP 2,773,118)	LT (EP 3,331,244 C0)
JP 6,101,754	LI (EP 2,774,120)	LT (EP 3,361,728 C0)
JP 6,101,755	LI (EP 2,774,122)	LT (EP 3,364,372 C0)
JP 6,101,774	LI (EP 2,774,374)	LT (EP 3,364,373 C0)
JP 6,114,362	LI (EP 2,786,577)	LT (EP 3,379,492 C0)
JP 6,116,625	LI (EP 2,916,545)	LU (EP 3,331,244 C0)
JP 6,116,626	LI (EP 2,941,004)	LU (EP 3,361,728 C0)
JP 6,118,374	LI (EP 2,942,954)	LU (EP 3,364,372 C0)
JP 6,138,883	LI (EP 2,942,956)	LU (EP 3,364,373 C0)
JP 6,138,884	LI (EP 2,945,376)	LU (EP 3,379,492 C0)
JP 6,138,885	LI (EP 2,945,380)	LV (EP 2,752,004)
JP 6,140,237	LI (EP 2,945,381)	LV (EP 2,752,005)
JP 6,157,676	LI (EP 2,950,535)	LV (EP 2,752,006)
JP 6,267,373	LI (EP 3,276,963)	LV (EP 2,773,117)
JP 6,275,897	LI (EP 3,324,627)	LV (EP 2,773,118)
JP 6,285,484	LI (EP 3,331,244 C0)	LV (EP 2,774,120)
JP 6,285,485	LI (EP 3,343,915)	LV (EP 2,774,122)
JP 6,285,486	LI (EP 3,346,447)	LV (EP 2,774,374)
JP 6,285,487	LI (EP 3,361,728 C0)	LV (EP 2,786,577)
JP 6,302,577	LI (EP 3,364,372 C0)	LV (EP 2,950,535)
JP 6,335,984	LI (EP 3,364,373 C0)	LV (EP 3,331,244 C0)
JP 6,360,947	LI (EP 3,379,492 C0)	LV (EP 3,361,728 C0)

LV (EP 3,364,372 C0)	MX 340,890	NL (EP 2,941,004)
LV (EP 3,364,373 C0)	MX 345,037	NL (EP 2,942,954)
LV (EP 3,379,492 C0)	MX 345,047	NL (EP 2,942,956)
MO J/002674	MX 347,162	NL (EP 2,945,376)
MT (EP 3,331,244 C0)	MX 347,163	NL (EP 2,945,380)
MT (EP 3,361,728 C0)	MX 350,187	NL (EP 2,945,381)
MT (EP 3,364,372 C0)	MX 350,557	NL (EP 2,950,535)
MT (EP 3,364,373 C0)	MX 350,560	NL (EP 3,276,963)
MT (EP 3,379,492 C0)	MX 356,330	NL (EP 3,324,627)
MX 330,908	MX 356,738	NL (EP 3,331,244 C0)
MX 332,102	MX 356875	NL (EP 3,343,915)
MX 332,440	MX 363,194	NL (EP 3,346,447)
MX 333,762	MX 363,195	NL (EP 3,361,728 C0)
MX 334,082	MX 378476	NL (EP 3,364,372 C0)
MX 334,414	MX 384,187	NL (EP 3,364,373 C0)
MX 334,421	MX 403184	NL (EP 3,379,492 C0)
MX 334,422	MX 407,247	NL (EP 3,402,191)
MX 334,423	MY 166250	NL (EP 3,402,199)
MX 334,866	MY 167772	NL (EP 3,402,200)
MX 334,868	MY 169632	NL (EP 3,402,201)
MX 335,479	MY 170,819	NL (EP 3,402,202)
MX 335,743	MY 190514	NL (EP 3,432,579)
MX 335,744	MY 190515	NL (EP 3,432,580)
MX 335,745	MY 190516	NL (EP 3,448,033)
MX 335,746	MY 190529	NL (EP 3,448,034)
MX 335,900	MY 190530	NL (EP 3,579,554)
MX 336,661	MY 192962	NL (EP 3,579,555)
MX 336,814	MY 192963	NL (EP 3,579,556)
MX 336,815	MY 192964	NL (EP 3,829,172)
MX 336,816	MY 192965	NL (EP 3,829,174)
MX 338,748	MY 192966	NL (EP 3,829,175)
MX 338,988	MY 195620-A	NL (EP 3,829,176)
MX 338,989	MY 195621	NL (EP 3,843,392)
MX 338,990	MY 195624	NL (EP 3,843,393)
MX 339,135	MY 195625	NL (EP 3,917,147)
MX 339,983	MY 195661	NO (EP 2,752,004)
MX 339,984	MY 198986-A	NO (EP 2,752,005)
MX 340,366	MY 199142	NO (EP 2,752,006)
MX 340,367	MY 201095-A	NO (EP 2,773,117)
MX 340,368	MY 201790-A	NO (EP 2,773,118)
MX 340,474	MY 202599-A	NO (EP 2,774,120)
MX 340,475	NL (EP 2,752,004)	NO (EP 2,774,122)
MX 340,476	NL (EP 2,752,005)	NO (EP 2,774,374)
MX 340,477	NL (EP 2,752,006)	NO (EP 2,786,577)
MX 340,478	NL (EP 2,773,117)	NO (EP 2,942,954)
MX 340,479	NL (EP 2,773,118)	NO (EP 2,950,535)
MX 340,480	NL (EP 2,774,120)	NO (EP 3,276,963)
MX 340,481	NL (EP 2,774,122)	NO (EP 3,324,627)
MX 340,887	NL (EP 2,774,374)	NO (EP 3,331,244 C0)
MX 340,888	NL (EP 2,786,577)	NO (EP 3,361,728 C0)
MX 340,889	NL (EP 2,916,545)	NO (EP 3,364,372 C0)

NO (EP 3,364,373 C0)	PL (EP 3,343,915)	PT (EP 3,829,175)
NO (EP 3,379,492 C0)	PL (EP 3,346,447)	PT (EP 3,829,176)
NO (EP 3,402,200)	PL (EP 3,361,728 C0)	PT (EP 3,843,392)
NO (EP 3,402,201)	PL (EP 3,364,372 C0)	PT (EP 3,843,393)
NO (EP 3,402,202)	PL (EP 3,364,373 C0)	PT (EP 3,917,147)
NO (EP 3,432,579)	PL (EP 3,379,492 C0)	RO (EP 2,752,004)
NO (EP 3,432,580)	PL (EP 3,402,191)	RO (EP 2,752,005)
NO (EP 3,448,034)	PL (EP 3,402,199)	RO (EP 2,752,006)
NO (EP 3,829,172)	PL (EP 3,402,200)	RO (EP 2,773,117)
NO (EP 3,829,174)	PL (EP 3,402,201)	RO (EP 2,773,118)
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NO (EP 3,917,147)	PL (EP 3,448,034)	RO (EP 2,916,545)
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PH 1-2014-500960	PL (EP 3,579,555)	RO (EP 2,942,954)
PH 1-2014-500962	PL (EP 3,579,556)	RO (EP 2,942,956)
PH 1-2015-500839	PL (EP 3,829,172)	RO (EP 2,945,376)
PH 1-2015-500841	PL (EP 3,829,174)	RO (EP 2,945,380)
PH 1-2015-500843	PL (EP 3,829,175)	RO (EP 2,945,381)
PH 1-2015-500844	PL (EP 3,829,176)	RO (EP 2,950,535)
PH 1-2016-502082	PL (EP 3,843,392)	RO (EP 3,276,963)
PH 1-2016-502083	PL (EP 3,843,393)	RO (EP 3,324,627)
PH 1-2016-502084	PL (EP 3,917,147)	RO (EP 3,331,244 C0)
PH 1-2016-502085	PT (EP 2,752,004)	RO (EP 3,343,915)
PH 1-2016-502086	PT (EP 2,752,005)	RO (EP 3,346,447)
PH 1-2016-502087	PT (EP 2,752,006)	RO (EP 3,361,728 C0)
PH 1-2016-502088	PT (EP 2,773,117)	RO (EP 3,364,372 C0)
PH 1-2016-502089	PT (EP 2,773,118)	RO (EP 3,364,373 C0)
PH 1/2014/500961	PT (EP 2,774,120)	RO (EP 3,379,492 C0)
PL (EP 2,752,004)	PT (EP 2,774,122)	RO (EP 3,402,191)
PL (EP 2,752,005)	PT (EP 2,774,374)	RO (EP 3,402,199)
PL (EP 2,752,006)	PT (EP 2,786,577)	RO (EP 3,402,200)
PL (EP 2,773,117)	PT (EP 2,942,954)	RO (EP 3,402,201)
PL (EP 2,773,118)	PT (EP 2,950,535)	RO (EP 3,402,202)
PL (EP 2,774,120)	PT (EP 3,276,963)	RO (EP 3,432,579)
PL (EP 2,774,122)	PT (EP 3,324,627)	RO (EP 3,432,580)
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PL (EP 2,786,577)	PT (EP 3,361,728 C0)	RO (EP 3,448,034)
PL (EP 2,916,545)	PT (EP 3,364,372 C0)	RO (EP 3,579,554)
PL (EP 2,941,004)	PT (EP 3,364,373 C0)	RO (EP 3,579,555)
PL (EP 2,942,954)	PT (EP 3,379,492 C0)	RO (EP 3,579,556)
PL (EP 2,942,956)	PT (EP 3,402,200)	RO (EP 3,829,172)
PL (EP 2,945,376)	PT (EP 3,402,201)	RO (EP 3,829,174)
PL (EP 2,945,380)	PT (EP 3,402,202)	RO (EP 3,829,175)
PL (EP 2,945,381)	PT (EP 3,432,579)	RO (EP 3,829,176)
PL (EP 2,950,535)	PT (EP 3,432,580)	RO (EP 3,843,392)
PL (EP 3,276,963)	PT (EP 3,448,034)	RO (EP 3,843,393)
PL (EP 3,324,627)	PT (EP 3,829,172)	RO (EP 3,917,147)
PL (EP 3,331,244 C0)	PT (EP 3,829,174)	RU 2589866

RU 2601445	SE (EP 3,432,580)	SI (EP 2,774,374)
RU 2602986	SE (EP 3,448,033)	SI (EP 2,786,577)
RU 2604340	SE (EP 3,448,034)	SI (EP 2,950,535)
RU 2621966	SE (EP 3,579,554)	SI (EP 3,331,244 C0)
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M&K Holdings Inc.

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Maxell, Ltd.

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Mirage Inc.

KR 2,905,246

Nippon Hoso Kyokai

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Siemens Corp.

CA 2,835,009
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 CN 107454402
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SK Planet Co., Ltd.

KR 1,625,441
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 US 10,334,271
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Sky Media Tech. Inc.

KR 1,827,939
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Tagivan II LLC

AT (EP 2,775,717)
 AU 2012221587
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US 9,843,799	US 8,594,202
US 9,930,367	US 8,761,263
US 10,015,487	US 9,077,964
US 10,063,879	US 9,113,172
US 10,165,268	US 9,179,160 - Exp. Dec 7, 2026
US 10,200,686	US 9,380,313
US 10,291,933	US 9,743,099
US 10,298,922	US 10,027,970
US 10,334,280	US 10,034,009
US 10,631,014	US 10,560,706

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KR 2,403,360
US 11,451,837
US 12,149,752

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AU 2013-243822
AU 2016-203203
AU 2006 321552 - Exp. Dec 8, 2026
AU 2012 216587 - Exp. Dec 8, 2026
AU 2012 226283
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CA 2,763,089
CA 2,824,027
CA 2,829,290
CA 2,869,132
CN 101371312 - Exp. Dec 7, 2026
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CN 103416002
CN 104205813
CN 105049894 - Exp. Dec 7, 2026
CN 200780011497.5
CN 201710165116

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 CN 201210009459.9 - Exp. Jul 10, 2023
 CN 201210009587.3 - Exp. Jul 10, 2023
 CN 201210009701.2 - Exp. Jul 10, 2023
 CN 201210009742.1 - Exp. Jul 10, 2023
 CN 201210009744.0 - Exp. Jul 10, 2023
 CN 201210009977.0 - Exp. Jul 10, 2023
 DE (EP 1532746) - Exp. Jul 11, 2023
 DE (EP 2326019) - Exp. Jul 11, 2023
 DE (EP 2328283) - Exp. Jul 11, 2023
 FR (EP 1532746) - Exp. Jul 11, 2023
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 GB (EP 2326019) - Exp. Jul 11, 2023
 GB (EP 2328283) - Exp. Jul 11, 2023
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 HK 1,153,057 - Exp. Jul 10, 2023
 HK 1,156,745 - Exp. Jul 10, 2023
 HK 1,156,747 - Exp. Jul 10, 2023
 HK 1,169,535 - Exp. Jul 10, 2023
 HK 1,169,536 - Exp. Jul 10, 2023
 HK 1,169,537 - Exp. Jul 10, 2023
 HK 1,169,768 - Exp. Jul 10, 2023
 HK 1,181,223 - Exp. Jul 10, 2023
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 IT (EP 1532746) - Exp. Jul 11, 2023
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 JP 5385233 - Exp. Jul 11, 2023
 JP 5,385,251 - Exp. Jul 11, 2023
 JP 5,385,414 - Exp. Jul 11, 2023
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 KR 1,192,559 - Exp. Jul 11, 2023
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 US 7,292,636 - Exp. Dec 3, 2024
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 US 8,090,023 - Exp. Feb 14, 2023
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 US 8,743,951 - Exp. Nov 7, 2022
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 US 8,837,580 - Exp. Jan 3, 2023
 US 8,837,597 - Exp. Nov 7, 2022
 US 8,934,546 - Exp. Jun 28, 2024
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AL (EP 2,752,004) - Exp. May 31, 2026
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 AT (EP 3,346,447) - Exp. May 31, 2026

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 EE (EP 2,945,376) - Exp. Jun 3, 2020
 FI (EP 2,945,376) - Exp. Jun 3, 2020
 GR (EP 2,945,376) - Exp. Sep 4, 2020
 HK 1214053 - Exp. Oct 20, 2021
 HR (EP 2,945,376) - Exp. Jun 3, 2020
 IE (EP 2,945,376) - Exp. Apr 20, 2021
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 MC (EP 2,773,118) - Exp. Sep 16, 2020
 MC (EP 2,945,376) - Exp. Jun 3, 2020
 MC (EP 2,950,535) - Exp. Jun 24, 2020
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 SM (EP 2,773,118) - Exp. Sep 16, 2020
 SM (EP 2,945,376) - Exp. Jun 3, 2020
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M&K Holdings Inc.

AL (EP 2,563,020) - Exp. Nov 1, 2023
 AL (EP 2,600,613) - Exp. Jan 30, 2024

AL (EP 2,608,541) - Exp. Feb 13, 2024
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 AL (EP 3,214,838) - Exp. Jan 30, 2024
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SM (EP 3,214,838) - Exp. Jan 30, 2024

Maxell, Ltd.

JP 4,542,447 - Exp. Feb 18, 2025
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 US 8,923,387 - Exp. Feb 27, 2025
 US 9,118,924 - Exp. Feb 27, 2025
 US 9,270,998 - Exp. Feb 27, 2025
 US 9,277,225 - Exp. Feb 27, 2025
 US 9,277,226 - Exp. Feb 27, 2025
 US 9,832,473 - Exp. Jul 10, 2023
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 IT (EP 1,499,133) - Exp. Apr 10, 2023
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KR 947,689 - Exp. Apr 10, 2023
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TR (EP 1,499,133) - Exp. Apr 10, 2023
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ARRIS Enterprises LLC

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BR 122021021251-1

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Canon Inc.

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GR (EP 4,228,261 C0)	HU (EP 3,806,466)	IN 528740
HR (EP 3,518,540)	HU (EP 3,806,468)	IN 528747
HR (EP 3,745,723)	HU (EP 3,806,469)	IN 530192
HR (EP 3,806,464)	HU (EP 3,806,470)	IN 530193
HR (EP 3,806,465)	HU (EP 3,905,679)	IN 538926
HR (EP 3,806,466)	HU (EP 3,972,248)	IN 538927
HR (EP 3,806,468)	HU (EP 3,972,249)	IN 538930
HR (EP 3,806,469)	HU (EP 3,979,643)	IN 541081
HR (EP 3,806,470)	HU (EP 4,075,801)	IN 545792
HR (EP 3,972,248)	HU (EP 4,075,802)	IN 554549
HR (EP 3,972,249)	HU (EP 4,114,002)	IN 554550
HR (EP 3,979,643)	HU (EP 4,114,003)	IN 554551
HR (EP 4,075,801)	HU (EP 4,228,259 C0)	IN 554553
HR (EP 4,075,802)	HU (EP 4,228,260 C0)	IN 555738
HR (EP 4,114,002)	HU (EP 4,228,261 C0)	IN 555742
HR (EP 4,114,003)	IN 330,063	IN 559417
HU (EP 2,664,147)	IN 344,009	IN 561309
HU (EP 2,745,515)	IN 345,186	IN 561958
HU (EP 2,777,264)	IN 348,588	IN 561961
HU (EP 2,777,275)	IN 359982	IT (EP 2,664,142)
HU (EP 2,805,485)	IN 364313	IT (EP 2,664,147)
HU (EP 2,805,507)	IN 364833	IT (EP 2,666,294)
HU (EP 3,070,944)	IN 375,239	IT (EP 2,684,362)
HU (EP 3,099,070)	IN 376,321	IT (EP 2,684,368)
HU (EP 3,174,297)	IN 392026	IT (EP 2,745,515)
HU (EP 3,244,613)	IN 394125	IT (EP 2,777,253)
HU (EP 3,247,117)	IN 417132	IT (EP 2,777,255)
HU (EP 3,253,060)	IN 440397	IT (EP 2,777,264)
HU (EP 3,288,264)	IN 440401	IT (EP 2,777,275)
HU (EP 3,396,957)	IN 440402	IT (EP 2,805,485)
HU (EP 3,422,712)	IN 442185	IT (EP 2,805,507)
HU (EP 3,422,713)	IN 442357	IT (EP 3,070,944)
HU (EP 3,474,552)	IN 442368	IT (EP 3,099,070)
HU (EP 3,499,893)	IN 442372	IT (EP 3,174,297)
HU (EP 3,512,199)	IN 451217	IT (EP 3,244,613)
HU (EP 3,518,540)	IN 451250	IT (EP 3,247,117)
HU (EP 3,518,544)	IN 453011	IT (EP 3,253,060)
HU (EP 3,609,180)	IN 453013	IT (EP 3,288,264)
HU (EP 3,654,648)	IN 453016	IT (EP 3,396,957)
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IT (EP 3,737,096)	JP 6,513,120	KR 1,825,110
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IT (EP 3,745,723)	JP 6,541,763	KR 1,875,250
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IT (EP 3,905,679)	JP 6,608,504	KR 1,909,855
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IT (EP 3,979,643)	JP 6,679,781	KR 1,920,529
IT (EP 4,075,801)	JP 6,679,782	KR 1,920,607
IT (EP 4,075,802)	JP 6,686,095	KR 1,922,367
IT (EP 4,114,002)	JP 6,686,206	KR 1,930,669
IT (EP 4,114,003)	JP 6,743,225	KR 1,962,396
IT (EP 4,228,259 C0)	JP 6,748,749	KR 1,969,359
IT (EP 4,228,260 C0)	JP 6,766,195	KR 1,969,362
IT (EP 4,228,261 C0)	JP 6,766,210	KR 1,972,366
JP 5,847,843	JP 6,766,211	KR 1,985,004
JP 5,847,844	JP 6,780,080	KR 1,991,074
JP 5,847,845	JP 6,797,989	KR 2,027,721
JP 5,875,236	JP 6,797,993	KR 2,029,614
JP 6,041,554	JP 6,801,037	KR 2,030,304
JP 6,067,024	JP 6,801,038	KR 2,030,952
JP 6,080,375	JP 6,821,730	KR 2,038,791
JP 6,109,170	JP 6,825,064	KR 2,041,744
JP 6,120,490	JP 6,891,325	KR 2,042,374
JP 6,129,178	JP 6,953,576	KR 2,043,579
JP 6,150,912	JP 6,980,884	KR 2,043,580
JP 6,165,172	JP 6,992,147	KR 2,043,581
JP 6,165,219	JP 7,077,385	KR 2,052,290
JP 6,184,416	JP 7,159,427	KR 2,052,291
JP 6,207,576	KR 1,409,145	KR 2,052,292
JP 6,207,790	KR 1,524,393	KR 2,068,431
JP 6,226,972	KR 1,524,394	KR 2,068,432
JP 6,272,441	KR 1,530,244	KR 2,068,921
JP 6,312,879	KR 1,530,832	KR 2,083,280

KR 2,085,498	LI (EP 4,228,259 C0)	NL (EP 3,737,096)
KR 2,086,310	LI (EP 4,228,260 C0)	NL (EP 3,742,731)
KR 2,090,437	LI (EP 4,228,261 C0)	NL (EP 3,745,723)
KR 2,090,438	LT (EP 4,228,259 C0)	NL (EP 3,806,464)
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LI (EP 2,745,515)	LT (EP 4,228,261 C0)	NL (EP 3,806,466)
LI (EP 2,777,264)	LU (EP 4,228,259 C0)	NL (EP 3,806,468)
LI (EP 2,777,275)	LU (EP 4,228,260 C0)	NL (EP 3,806,469)
LI (EP 2,805,485)	LU (EP 4,228,261 C0)	NL (EP 3,806,470)
LI (EP 2,805,507)	LV (EP 4,228,259 C0)	NL (EP 3,905,679)
LI (EP 3,070,944)	LV (EP 4,228,260 C0)	NL (EP 3,972,248)
LI (EP 3,099,070)	LV (EP 4,228,261 C0)	NL (EP 3,972,249)
LI (EP 3,174,297)	MT (EP 4,228,259 C0)	NL (EP 3,979,643)
LI (EP 3,244,613)	MT (EP 4,228,260 C0)	NL (EP 4,075,801)
LI (EP 3,247,117)	MT (EP 4,228,261 C0)	NL (EP 4,075,802)
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LI (EP 3,396,957)	NL (EP 2,666,294)	NL (EP 4,228,259 C0)
LI (EP 3,422,712)	NL (EP 2,684,362)	NL (EP 4,228,260 C0)
LI (EP 3,422,713)	NL (EP 2,684,368)	NL (EP 4,228,261 C0)
LI (EP 3,474,552)	NL (EP 2,745,515)	NO (EP 3,518,540)
LI (EP 3,499,893)	NL (EP 2,777,253)	NO (EP 3,745,723)
LI (EP 3,512,199)	NL (EP 2,777,255)	NO (EP 3,806,464)
LI (EP 3,518,540)	NL (EP 2,777,264)	NO (EP 3,806,465)
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LI (EP 3,737,096)	NL (EP 3,396,957)	NO (EP 4,114,003)
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LI (EP 3,745,723)	NL (EP 3,422,713)	NO (EP 4,228,260 C0)
LI (EP 3,806,464)	NL (EP 3,474,552)	NO (EP 4,228,261 C0)
LI (EP 3,806,465)	NL (EP 3,499,893)	PL (EP 2,664,147)
LI (EP 3,806,466)	NL (EP 3,512,199)	PL (EP 2,745,515)
LI (EP 3,806,468)	NL (EP 3,518,540)	PL (EP 2,777,264)
LI (EP 3,806,469)	NL (EP 3,518,544)	PL (EP 2,777,275)
LI (EP 3,806,470)	NL (EP 3,609,180)	PL (EP 2,805,485)
LI (EP 3,905,679)	NL (EP 3,654,648)	PL (EP 2,805,507)
LI (EP 3,972,248)	NL (EP 3,657,790)	PL (EP 3,070,944)
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LI (EP 4,114,003)	NL (EP 3,737,095)	PL (EP 3,288,264)

PL (EP 3,396,957)	PT (EP 4,114,003)	RO (EP 4,228,259 C0)
PL (EP 3,422,712)	PT (EP 4,228,259 C0)	RO (EP 4,228,260 C0)
PL (EP 3,422,713)	PT (EP 4,228,260 C0)	RO (EP 4,228,261 C0)
PL (EP 3,474,552)	PT (EP 4,228,261 C0)	RS (EP 3,518,540)
PL (EP 3,499,893)	RO (EP 2,664,147)	RS (EP 3,745,723)
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PL (EP 3,518,540)	RO (EP 2,777,264)	RS (EP 3,806,465)
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PL (EP 3,609,180)	RO (EP 2,805,485)	RS (EP 3,806,468)
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PL (EP 3,806,469)	RO (EP 3,518,544)	SE (EP 2,777,275)
PL (EP 3,806,470)	RO (EP 3,609,180)	SE (EP 2,805,485)
PL (EP 3,905,679)	RO (EP 3,654,648)	SE (EP 2,805,507)
PL (EP 3,972,248)	RO (EP 3,657,790)	SE (EP 3,070,944)
PL (EP 3,972,249)	RO (EP 3,657,791)	SE (EP 3,099,070)
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PL (EP 4,075,802)	RO (EP 3,668,095)	SE (EP 3,247,117)
PL (EP 4,114,002)	RO (EP 3,737,094)	SE (EP 3,253,060)
PL (EP 4,114,003)	RO (EP 3,737,095)	SE (EP 3,288,264)
PL (EP 4,228,259 C0)	RO (EP 3,737,096)	SE (EP 3,396,957)
PL (EP 4,228,260 C0)	RO (EP 3,742,731)	SE (EP 3,422,712)
PL (EP 4,228,261 C0)	RO (EP 3,745,723)	SE (EP 3,422,713)
PT (EP 3,518,540)	RO (EP 3,806,464)	SE (EP 3,474,552)
PT (EP 3,745,723)	RO (EP 3,806,465)	SE (EP 3,499,893)
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PT (EP 3,806,466)	RO (EP 3,806,469)	SE (EP 3,518,544)
PT (EP 3,806,468)	RO (EP 3,806,470)	SE (EP 3,609,180)
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PT (EP 3,806,470)	RO (EP 3,972,248)	SE (EP 3,657,790)
PT (EP 3,972,248)	RO (EP 3,972,249)	SE (EP 3,657,791)
PT (EP 3,972,249)	RO (EP 3,979,643)	SE (EP 3,657,792)
PT (EP 3,979,643)	RO (EP 4,075,801)	SE (EP 3,668,094)
PT (EP 4,075,801)	RO (EP 4,075,802)	SE (EP 3,668,095)
PT (EP 4,075,802)	RO (EP 4,114,002)	SE (EP 3,737,094)
PT (EP 4,114,002)	RO (EP 4,114,003)	SE (EP 3,737,095)

SE (EP 3,737,096)	SK (EP 3,737,094)	TR (EP 3,745,723)
SE (EP 3,742,731)	SK (EP 3,737,095)	TR (EP 3,806,464)
SE (EP 3,745,723)	SK (EP 3,737,096)	TR (EP 3,806,465)
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SE (EP 3,806,465)	SK (EP 3,745,723)	TR (EP 3,806,468)
SE (EP 3,806,466)	SK (EP 3,806,464)	TR (EP 3,806,469)
SE (EP 3,806,468)	SK (EP 3,806,465)	TR (EP 3,806,470)
SE (EP 3,806,469)	SK (EP 3,806,466)	TR (EP 3,905,679)
SE (EP 3,806,470)	SK (EP 3,806,468)	TR (EP 3,972,248)
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SE (EP 3,972,248)	SK (EP 3,806,470)	TR (EP 3,979,643)
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SE (EP 4,228,259 C0)	SK (EP 4,114,002)	TR (EP 4,228,261 C0)
SE (EP 4,228,260 C0)	SK (EP 4,114,003)	US 8,824,555
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SI (EP 4,228,260 C0)	TR (EP 2,777,264)	US 9,277,221
SI (EP 4,228,261 C0)	TR (EP 2,777,275)	US 9,386,312
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SK (EP 2,777,264)	TR (EP 3,070,944)	US 9,736,495
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SK (EP 2,805,485)	TR (EP 3,174,297)	US 9,774,886
SK (EP 2,805,507)	TR (EP 3,244,613)	US 9,794,596
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SK (EP 3,099,070)	TR (EP 3,253,060)	US 9,848,208
SK (EP 3,174,297)	TR (EP 3,288,264)	US 9,918,089
SK (EP 3,244,613)	TR (EP 3,396,957)	US 9,930,332
SK (EP 3,247,117)	TR (EP 3,422,712)	US 9,979,968
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SK (EP 3,288,264)	TR (EP 3,474,552)	US 10,057,592
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SK (EP 3,422,712)	TR (EP 3,512,199)	US 10,097,738
SK (EP 3,422,713)	TR (EP 3,518,540)	US 10,110,897
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SK (EP 3,518,540)	TR (EP 3,657,790)	US 10,237,568
SK (EP 3,518,544)	TR (EP 3,657,791)	US 10,250,890
SK (EP 3,609,180)	TR (EP 3,657,792)	US 10,264,253
SK (EP 3,654,648)	TR (EP 3,668,094)	US 10,306,256
SK (EP 3,657,790)	TR (EP 3,668,095)	US 10,349,077
SK (EP 3,657,791)	TR (EP 3,737,094)	US 10,382,757
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SK (EP 3,668,094)	TR (EP 3,737,096)	US 10,462,493
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Digital Insights Inc.

KR 1,618,117

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Hangzhou Boyun Technology Co., Ltd.

CN 104012094
 CN 104869400
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 CN 104883568
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 HK 1,199,588
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HUMAX Co., Ltd.

KR 1,292,091

Industry-Academy Cooperation Foundation of Sejong University

CN 113810705
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 US 12,695,873
 VN 54924

Korea Electronics Technology Institute

US Re. 47,897

KT Corp.

AT (EP 2,672,710)
 AT (EP 2,787,728)
 AU 2012259700
 AU 2012305071
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Addendum of Patents of Terminated HEVC Licensors

Addendum of Patents of Terminated HEVC Licensors

The following listed patents were contributed to the HEVC Patent Portfolio by an entity that has since terminated as a Licensor. For as long as they continue to be a Licensee, those Licensees with a license in effect prior to the date of such Licensor's termination retain their license to such Licensor's HEVC Patent Portfolio patents (including those listed below) that the Licensor or its Affiliates had the right to license or sublicense prior to the date of such Licensor's termination.

**B1 Institute of Image
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January 25, 2024)**

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AT (EP 4,447,453)	CN 114245123	ES (EP 4,507,308)
AT (EP 4,507,308)	CN 114245124	ES (EP 4,510,586)
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AU 2024202570	CY (EP 4,387,232)	GB (EP 3,975,559)
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IE (EP 4,510,586)	KR 2,840,290	NO (EP 4,447,453)
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IN 433633	LI (EP 4,387,232)	NO (EP 4,510,587)
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IN 463753	LT (EP 3,975,559)	PL (EP 4,510,586)
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US 11,553,130	US 12,445,733	
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US 11,606,499	US 12,513,405	
US 11,677,926	US 12,520,046	
US 11,696,035	US 12,556,824	

**Electronics and
Telecommunications Research
Institute (terminated January 2,
2020)**

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KR 1,356,450	KR 1,697,154	KR 1,979,681
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KR 1,366,650	KR 1,719,344	KR 1,995,915
KR 1,378,861	KR 1,719,345	KR 1,998,390
KR 1,378,899	KR 1,719,346	KR 2,007,289
KR 1,423,735	KR 1,719,347	KR 2,007,290
KR 1,425,180	KR 1,722,988	KR 2,007,291
KR 1,428,030	KR 1,726,680	KR 2,007,292
KR 1,435,557	KR 1,739,748	KR 2,013,638
KR 1,435,558	KR 1,744,024	KR 2,020,838
KR 1,442,785	KR 1,755,535	KR 2,028,104
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KR 1,451,919	KR 1,822,474	KR 2,042,275
KR 1,451,920	KR 1,822,475	KR 2,042,276
KR 1,451,921	KR 1,835,834	KR 2,062,329
KR 1,456,279	KR 1,843,565	KR 2,100,700
KR 1,461,498	KR 1,843,566	KR 2,104,582
KR 1,461,499	KR 1,853,635	KR 2,104,583
KR 1,461,500	KR 1,854,640	KR 2,104,584
KR 1,461,501	KR 1,868,121	KR 2,104,585
KR 1,477,771	KR 1,868,122	KR 2,107,091
KR 1,477,772	KR 1,874,015	KR 2,112,264
KR 1,488,493	KR 1,875,206	KR 2,115,318
KR 1,488,494	KR 1,885,772	KR 2,140,331
KR 1,488,495	KR 1,894,557	KR 2,143,512
KR 1,488,497	KR 1,904,234	KR 2,168,471
KR 1,488,498	KR 1,904,237	KR 2,175,472
KR 1,488,499	KR 1,904,242	KR 2,205,472
KR 1,502,758	KR 1,904,247	KR 2,209,109
KR 1,510,115	KR 1,904,255	KR 2,219,842
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KR 1,527,445	KR 1,918,079	KR 2,277,360
KR 1,529,475	KR 1,918,080	KR 2,290,091
KR 1,569,034	KR 1,922,459	KR 2,294,092
KR 1,595,419	KR 1,931,719	KR 2,315,404
KR 1,595,420	KR 1,937,213	KR 2,315,438
KR 1,627,085	KR 1,946,916	KR 2,332,672
KR 1,633,746	KR 1,952,182	KR 2,337,652
KR 1,640,583	KR 1,952,183	KR 2,358,871
KR 1,666,862	KR 1,952,184	KR 2,403,965
KR 1,673,290	KR 1,953,703	KR 2,404,417
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KR 1,691,901	KR 1,973,568	LI (EP 2,806,637)

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MO J/004175	SE (EP 2,840,788)	US 9,807,412
MO J/004255	SE (EP 2,840,791)	US 9,838,689
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MO J/005135	SI (EP 2,806,637)	US 9,838,711
MO J/005263	SI (EP 2,840,788)	US 9,838,714
MO J/005265	SI (EP 3,448,035)	US 9,843,814
MO J/005290	SK (EP 2,806,637)	US 9,866,839
MO J/005367	SK (EP 2,840,788)	US 9,900,618
MO J/005387	SK (EP 3,024,237)	US 9,924,180
MO J/005443	SK (EP 3,086,555)	US 9,967,571
MO J/005476	SK (EP 3,346,705)	US 10,003,820
MO J/005480	SK (EP 3,346,706)	US 10,021,388
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US 10,142,648	US 10,904,569	KR 1,446,287
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US 10,187,660	US 10,939,098	KR 1,791,158
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US 10,326,997	US 11,006,142	KR 1,918,958
US 10,375,400	US 11,102,494	KR 2,006,235
US 10,397,584	US 11,134,274	KR 2,006,236
US 10,397,589	US 11,228,778	KR 2,006,237
US 10,397,598	US 11,245,917	KR 2,006,238
US 10,419,752	US 11,252,411	KR 2,006,443
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US 10,440,372	US 11,483,578	US 9,544,595
US 10,440,392	US 11,490,100	US 9,860,546
US 10,440,393	US 11,503,282	US 10,110,912
US 10,448,018	US 11,606,567	US 10,560,709
US 10,455,232	US 11,659,159	US 10,567,782
US 10,455,233	US 11,706,438	US 10,674,169
US 10,455,234	US 11,706,449	
US 10,455,241	US 11,736,696	
US 10,477,213	VN 22643	<u>Electronics and</u>
US 10,511,836	VN 23057	<u>Telecommunications Research</u>
US 10,516,883	VN 23643	<u>Institute and Kwangwoon</u>
US 10,516,897	VN 23707	<u>University Industry - Academic</u>
US 10,531,115	VN 29298	<u>Collaboration Foundation</u>
US 10,536,717	VN 29361	<u>(terminated January 2, 2020)</u>
US 10,560,721	VN 30174	KR 2,071,665
US 10,575,016		KR 2,071,666
US 10,595,026		
US 10,602,160	<u>Electronics and</u>	<u>Electronics and</u>
US 10,623,769	<u>Telecommunications Research</u>	<u>Telecommunications Research</u>
US 10,623,770	<u>Institute and Korea Advanced</u>	<u>Institute and University-</u>
US 10,623,771	<u>Institute of Science and</u>	<u>Industry Cooperation</u>
US 10,638,154	<u>Technology (KAIST)</u>	<u>Foundation of Korea Aerospace</u>
US 10,645,411	<u>(terminated January 2, 2020)</u>	<u>University (terminated January</u>
US 10,701,379		<u>2, 2020)</u>
US 10,701,380	CN 106101730	
US 10,701,381	CN 106131576	BE (EP 3,258,692)
US 10,701,382	CN 106131577	BR 112014006320
US 10,708,580	CN 201180058404	CA 2,849,004
US 10,708,595	CN 201610648937.9	CH (EP 3,258,692)
	JP 5,612,215	

CN 108366266	CA 2,855,777	JP 6,364,449
CN 108366269	CH (EP 2,869,557)	JP 6,364,450
CN 108377395	CN 106937122	JP 6,549,279
CN 108391124	CN 106937123	JP 6,553,691
CN 108391138	CN 107454424	JP 6,580,630
CN 201280056452.0	CN 107509078	JP 6,580,631
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FR (EP 3,258,692)	CN 107566835	JP 7,025,491
GB (EP 3,258,692)	CN 107566836	JP 7,053,540
IE (EP 3,258,692)	CN 107623857	JP 7,117,352
IT (EP 3,258,692)	CN 107659813	JP 7,234,427
JP 6,046,142	CN 107682704	JP 7,271,768
JP 6,416,156	CN 107707919	KR 1,366,648
JP 6,855,411	CN 107707920	KR 1,414,182
JP 6,855,412	CN 107888929	KR 1,424,220
JP 6,855,413	CN 108093254	KR 1,433,170
JP 6,855,414	CN 109996082	KR 1,435,556
KR 1,419,011	CN 110198448	KR 1,435,559
KR 1,419,012	CN 110198449	KR 1,435,560
KR 1,879,446	CN 110446037	KR 1,527,443
KR 1,879,447	CN 110446039	KR 1,591,352
KR 1,973,487	CN 110545419	KR 1,591,354
KR 1,998,756	CN 110545420	KR 1,615,662
LI (EP 3,258,692)	CN 110545421	KR 1,651,594
LU (EP 3,258,692)	CN 110545422	KR 1,651,595
MC (EP 3,258,692)	CN 110545423	KR 1,718,886
NL (EP 3,258,692)	CN 201180063283.9	KR 1,720,622
US 9,451,281	CN 201280063917.5	KR 1,725,818
US 10,194,167	CN 201280066431.7	KR 1,750,996
US 10,194,168	CN 201380030775.7	KR 1,750,997
US 10,708,615	CN 201380039011.4	KR 1,750,998
US 10,743,022	CN 201710049695.6	KR 1,765,302
US 10,750,202	CZ (EP 2,869,557)	KR 1,765,303
<u>Electronics and</u>	DE (EP 2,869,557)	KR 1,809,728
<u>Telecommunications Research</u>	DK (EP 2,869,557)	KR 1,809,729
<u>Institute and University-</u>	FI (EP 2,869,557)	KR 1,809,730
<u>Industry Cooperation Group of</u>	FR (EP 2,869,557)	KR 1,809,731
<u>Kyung Hee University</u>	GB (EP 2,869,557)	KR 1,861,703
<u>(terminated January 2, 2020)</u>	IE (EP 2,869,557)	KR 1,882,911
AT (EP 2,869,557)	IN 456071	KR 1,882,912
AU 2016200779	JP 5,969,041	KR 1,882,913
AU 2016200938	JP 5,969,695	KR 1,903,602
AU 2018202742	JP 6,169,681	KR 1,917,262
AU 2018202743	JP 6,203,898	KR 1,917,263
AU 2018202744	JP 6,203,899	KR 1,947,142
AU 2019205017	JP 6,208,284	KR 1,949,817
AU 2021212037	JP 6,208,285	KR 1,949,818
BE (EP 2,869,557)	JP 6,279,776	KR 1,977,857
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Electronics and
Telecommunications Research
Institute, Kwangwoon University
Industry - Academic
Collaboration Foundation and
University-Industry Cooperation
Group of Kyung Hee University
(terminated January 2, 2020)

KR 1,356,448
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Hangzhou Hikvision Digital
Technology Co., Ltd.
(terminated January 16, 2026)

CN 104244007
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 US 9,781,441
 US 10,142,649

IDEAHUB, Inc. (terminated
April 26, 2026)

BR 112014023948-7
 BR 122020010110-5
 CN 201180038054.1
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 CN 201510176228.0
 CN 201510209330.6
 CN 201510219813.4
 CN 201510226239.5
 CN 201610288628.5
 CN 201610517204.1
 CN 201610518671.6
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CN 201610519076.4	JP 6,625,680	PL (EP 3,402,197)
CN 201610670570.0	JP 6,636,551	PL (EP 3,402,198)
CN 201610726637.8	KR 928,325	PL (EP 3,941,051)
CN 201610728919.1	KR 1,292,093	RU 2607998
CN 201610833394.8	KR 1,348,613	RU 2647693
CN 201611000685.5	KR 1,376,673	RU 2,676,241
CN 201611023962.4	KR 1,387,467	RU 2,694,442
DE (EP 2,608,540)	KR 1,424,221	RU 2,697,929
DE (EP 3,402,194)	KR 1,424,222	SE (EP 2,608,540)
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GB (EP 2,608,540)	KR 1,667,282	US Re. 49,308
GB (EP 3,402,194)	KR 1,700,410	US 8,861,616
GB (EP 3,402,196)	KR 1,700,411	US 8,929,460
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HU (EP 3,402,198)	KR 1,791,164	US 9,058,659
IN 357392	KR 1,810,198	US 9,154,790
IT (EP 2,608,540)	KR 1,821,981	US 9,167,250
IT (EP 3,402,194)	KR 1,825,726	US 9,172,959
IT (EP 3,402,196)	KR 1,895,362	US 9,363,528
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JP 5,664,584	KR 2,003,051	US 9,699,449
JP 5,928,073	KR 2,051,083	US 9,838,691
JP 5,954,513	KR 2,062,821	US 9,918,093
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JP 6,128,264	KR 2,233,263	US 10,212,422
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JP 6,615,922	PL (EP 3,402,196)	US 10,827,174

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Intellectual Discovery Co., Ltd.
(terminated January 2, 2020)

AT (EP 2,725,798)
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KR 1,801,902	KR 2,094,436	SM (EP 3,512,197)
KR 1,801,903	KR 2,094,975	TR (EP 2,725,798)
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KR 1,801,905	KR 2,129,352	US Re. 46,678
KR 1,802,957	KR 2,133,784	US Re. 47,465
KR 1,805,429	KR 2,157,121	US Re. 49,330
KR 1,831,311	KR 2,165,340	US 8,842,924
KR 1,835,625	KR 2,177,409	US 8,964,834
KR 1,836,094	KR 2,185,954	US 8,989,262
KR 1,836,981	KR 2,216,320	US 9,002,123
KR 1,837,040	KR 2,219,262	US 9,008,180
KR 1,838,183	KR 2,294,054	US 9,282,342
KR 1,863,082	KR 2,294,055	US 9,288,491
KR 1,867,884	KR 2,294,733	US 9,363,509
KR 1,870,308	KR 2,296,826	US 9,420,312
KR 1,876,379	KR 2,320,585	US 9,432,675
KR 1,891,656	KR 2,330,155	US 9,432,697
KR 1,907,078	KR 2,398,997	US 9,462,290
KR 1,920,352	KR 2,399,001	US 9,516,323
KR 1,920,353	KR 2,399,795	US 9,532,042
KR 1,920,354	KR 2,401,749	US 9,532,064
KR 1,922,564	KR 2,412,271	US 9,554,130
KR 1,924,088	KR 2,420,426	US 9,743,082
KR 1,924,089	KR 2,421,921	US 9,743,096
KR 1,924,090	KR 2,435,393	US 9,749,632
KR 1,928,850	KR 2,475,242	US 9,762,923
KR 1,928,851	KR 2,480,967	US 9,819,963
KR 1,949,763	KR 2,508,989	US 9,843,803
KR 1,950,014	KR 2,548,737	US 9,843,809
KR 1,950,015	LI (EP 2,725,798)	US 9,854,239
KR 1,950,209	LI (EP 2,806,642)	US 9,854,248
KR 1,962,183	LI (EP 3,512,197)	US 9,918,083
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KR 2,035,565	RO (EP 3,512,197)	US 10,218,972
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KR 2,092,829	SI (EP 3,512,197)	US 10,284,841
KR 2,093,205	SK (EP 3,512,197)	US 10,334,258

US 10,368,076	US 11,750,803	BE (EP 3,910,947)
US 10,397,599		BG (EP 3,754,988)
US 10,419,765	<u>JVCKENWOOD Corporation</u>	BG (EP 3,833,024)
US 10,425,653	<u>(terminated March 30, 2023)</u>	BG (EP 3,910,945)
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US 10,681,349	AU 2019200733	BR 112014023933-9
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US 10,757,443	AU 2020202671	BR 122020013891-2
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US 10,785,503	BE (EP 2,793,467)	BR 122020014280-4
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US 10,917,645	BE (EP 2,838,260)	BR 122020015070-0
US 10,986,346	BE (EP 2,838,261)	BR 122020016747-5
US 10,986,348	BE (EP 2,981,087)	CA 2,869,637
US 11,025,901	BE (EP 3,249,926)	CA 2,907,572
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US 11,051,019	BE (EP 3,416,384)	CA 3,040,987
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US 11,743,486	BE (EP 3,910,945)	CH (EP 3,654,651)

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CH (EP 3,833,022)	CN 201710476854.0	DE (EP 3,515,078)
CH (EP 3,833,023)	CN 201710476861.0	DE (EP 3,515,079)
CH (EP 3,833,024)	CN 201710600721.X	DE (EP 3,515,080)
CH (EP 3,910,945)	CN 201710602297.2	DE (EP 3,606,074)
CH (EP 3,910,947)	CN 201710602298.7	DE (EP 3,654,651)
CL 58464	CN 201710602299.1	DE (EP 3,697,090)
CN 108174203	CN 201710720164.5	DE (EP 3,697,091)
CN 108235032B	CN 201710720191.2	DE (EP 3,697,092)
CN 109327702	CN 201710720192.7	DE (EP 3,703,370)
CN 109348232	CN 201710720276.0	DE (EP 3,703,371)
CN 109379600	CN 201810157196.3	DE (EP 3,716,621)
CN 109379601	CZ (EP 2,717,574)	DE (EP 3,754,988)
CN 201280012382.9	CZ (EP 2,802,146)	DE (EP 3,833,022)
CN 201280028619.2	CZ (EP 2,838,260)	DE (EP 3,833,023)
CN 201280029864.5	CZ (EP 2,838,261)	DE (EP 3,833,024)
CN 201280030889.7	CZ (EP 2,981,087)	DE (EP 3,910,945)
CN 201280032664.5	CZ (EP 3,249,926)	DE (EP 3,910,947)
CN 201280060041.9	CZ (EP 3,503,554)	DK (EP 2,717,574)
CN 201280060716.X	CZ (EP 3,515,077)	DK (EP 2,802,146)
CN 201380005006.1	CZ (EP 3,515,078)	DK (EP 2,838,260)
CN 201380013459.9	CZ (EP 3,515,079)	DK (EP 2,838,261)
CN 201380018023.9	CZ (EP 3,654,651)	DK (EP 2,981,087)
CN 201480019477.2	CZ (EP 3,697,090)	DK (EP 3,249,926)
CN 201510582018.1	CZ (EP 3,697,091)	DK (EP 3,503,554)
CN 201510582521.7	CZ (EP 3,697,092)	DK (EP 3,515,078)
CN 201510582740.5	CZ (EP 3,703,370)	DK (EP 3,515,079)
CN 201510582751.3	CZ (EP 3,703,371)	DK (EP 3,654,651)
CN 201510583247.5	CZ (EP 3,716,621)	DK (EP 3,697,090)
CN 201510583648.0	CZ (EP 3,833,022)	DK (EP 3,697,091)
CN 201510583649.5	CZ (EP 3,833,023)	DK (EP 3,697,092)
CN 201510583771.2	CZ (EP 3,833,024)	DK (EP 3,703,370)
CN 201510583843.3	CZ (EP 3,910,945)	DK (EP 3,703,371)
CN 201510583941.7	DE (EP 2,717,574)	DK (EP 3,716,621)
CN 201610161628.9	DE (EP 2,728,882)	DK (EP 3,754,988)
CN 201610161695.0	DE (EP 2,793,467)	DK (EP 3,833,022)
CN 201610161707.X	DE (EP 2,802,146)	DK (EP 3,833,023)
CN 201610161890.3	DE (EP 2,833,632)	DK (EP 3,833,024)
CN 201610162707.1	DE (EP 2,838,260)	DK (EP 3,910,945)
CN 201610524480.0	DE (EP 2,838,261)	DK (EP 3,910,947)
CN 201610525866.3	DE (EP 2,981,087)	EE (EP 3,754,988)
CN 201610526281.3	DE (EP 3,249,926)	EE (EP 3,833,024)
CN 201610526282.8	DE (EP 3,285,489)	EE (EP 3,910,945)
CN 201610814160.9	DE (EP 3,416,383)	EE (EP 3,910,947)
CN 201610814925.9	DE (EP 3,416,384)	ES (EP 2,717,574)

ES (EP 2,793,467)	FR (EP 2,833,632)	GB (EP 3,515,078)
ES (EP 2,838,260)	FR (EP 2,838,260)	GB (EP 3,515,079)
ES (EP 2,981,087)	FR (EP 2,838,261)	GB (EP 3,515,080)
ES (EP 3,249,926)	FR (EP 2,981,087)	GB (EP 3,606,074)
ES (EP 3,416,383)	FR (EP 3,249,926)	GB (EP 3,654,651)
ES (EP 3,416,384)	FR (EP 3,285,489)	GB (EP 3,697,090)
ES (EP 3,416,385)	FR (EP 3,416,383)	GB (EP 3,697,091)
ES (EP 3,515,077)	FR (EP 3,416,384)	GB (EP 3,697,092)
ES (EP 3,515,078)	FR (EP 3,416,385)	GB (EP 3,703,370)
ES (EP 3,515,079)	FR (EP 3,419,289)	GB (EP 3,703,371)
ES (EP 3,515,080)	FR (EP 3,419,290)	GB (EP 3,716,621)
ES (EP 3,654,651)	FR (EP 3,422,714)	GB (EP 3,754,988)
ES (EP 3,697,090)	FR (EP 3,503,554)	GB (EP 3,833,022)
ES (EP 3,697,091)	FR (EP 3,515,073)	GB (EP 3,833,023)
ES (EP 3,697,092)	FR (EP 3,515,077)	GB (EP 3,833,024)
ES (EP 3,703,370)	FR (EP 3,515,078)	GB (EP 3,910,945)
ES (EP 3,703,371)	FR (EP 3,515,079)	GB (EP 3,910,947)
ES (EP 3,716,621)	FR (EP 3,515,080)	HR (EP 3,515,077)
ES (EP 3,754,988)	FR (EP 3,606,074)	HR (EP 3,697,090)
ES (EP 3,833,022)	FR (EP 3,654,651)	HR (EP 3,697,091)
ES (EP 3,833,023)	FR (EP 3,697,090)	HR (EP 3,697,092)
ES (EP 3,833,024)	FR (EP 3,697,091)	HR (EP 3,703,371)
ES (EP 3,910,945)	FR (EP 3,697,092)	HR (EP 3,716,621)
ES (EP 3,910,947)	FR (EP 3,703,370)	HR (EP 3,833,022)
FI (EP 2,717,574)	FR (EP 3,703,371)	HR (EP 3,833,023)
FI (EP 2,793,467)	FR (EP 3,716,621)	HR (EP 3,833,024)
FI (EP 2,802,146)	FR (EP 3,754,988)	HU (EP 2,717,574)
FI (EP 2,838,260)	FR (EP 3,833,022)	HU (EP 2,793,467)
FI (EP 2,838,261)	FR (EP 3,833,023)	HU (EP 2,802,146)
FI (EP 2,981,087)	FR (EP 3,833,024)	HU (EP 2,838,260)
FI (EP 3,249,926)	FR (EP 3,910,945)	HU (EP 2,838,261)
FI (EP 3,503,554)	FR (EP 3,910,947)	HU (EP 2,981,087)
FI (EP 3,515,078)	GB (EP 2,717,574)	HU (EP 3,249,926)
FI (EP 3,515,079)	GB (EP 2,728,882)	HU (EP 3,416,383)
FI (EP 3,654,651)	GB (EP 2,793,467)	HU (EP 3,416,384)
FI (EP 3,697,090)	GB (EP 2,802,146)	HU (EP 3,416,385)
FI (EP 3,697,091)	GB (EP 2,833,632)	HU (EP 3,419,289)
FI (EP 3,697,092)	GB (EP 2,838,260)	HU (EP 3,419,290)
FI (EP 3,703,370)	GB (EP 2,838,261)	HU (EP 3,422,714)
FI (EP 3,703,371)	GB (EP 2,981,087)	HU (EP 3,503,554)
FI (EP 3,716,621)	GB (EP 3,249,926)	HU (EP 3,515,077)
FI (EP 3,754,988)	GB (EP 3,285,489)	HU (EP 3,515,078)
FI (EP 3,833,022)	GB (EP 3,416,383)	HU (EP 3,515,079)
FI (EP 3,833,023)	GB (EP 3,416,384)	HU (EP 3,515,080)
FI (EP 3,833,024)	GB (EP 3,416,385)	HU (EP 3,654,651)
FI (EP 3,910,945)	GB (EP 3,419,289)	HU (EP 3,697,090)
FI (EP 3,910,947)	GB (EP 3,419,290)	HU (EP 3,697,091)
FR (EP 2,717,574)	GB (EP 3,422,714)	HU (EP 3,697,092)
FR (EP 2,728,882)	GB (EP 3,503,554)	HU (EP 3,703,370)
FR (EP 2,793,467)	GB (EP 3,515,073)	HU (EP 3,703,371)
FR (EP 2,802,146)	GB (EP 3,515,077)	HU (EP 3,716,621)

HU (EP 3,754,988)	IT (EP 2,981,087)	JP 5,679,019
HU (EP 3,833,022)	IT (EP 3,249,926)	JP 5,679,024
HU (EP 3,833,023)	IT (EP 3,416,383)	JP 5,679,025
HU (EP 3,833,024)	IT (EP 3,416,384)	JP 5,679,026
HU (EP 3,910,945)	IT (EP 3,416,385)	JP 5,679,031
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IE (EP 2,717,574)	IT (EP 3,515,078)	JP 5,682,670
IE (EP 2,793,467)	IT (EP 3,515,079)	JP 5,682,671
IE (EP 2,802,146)	IT (EP 3,515,080)	JP 5,682,672
IE (EP 2,838,260)	IT (EP 3,654,651)	JP 5,682,673
IE (EP 2,838,261)	IT (EP 3,697,090)	JP 5,692,260
IE (EP 2,981,087)	IT (EP 3,697,091)	JP 5,692,261
IE (EP 3,249,926)	IT (EP 3,697,092)	JP 5,692,262
IE (EP 3,416,383)	IT (EP 3,703,370)	JP 5,692,263
IE (EP 3,416,384)	IT (EP 3,703,371)	JP 5,696,683
IE (EP 3,416,385)	IT (EP 3,716,621)	JP 5,696,684
IE (EP 3,419,289)	IT (EP 3,754,988)	JP 5,696,757
IE (EP 3,419,290)	IT (EP 3,833,022)	JP 5,696,758
IE (EP 3,422,714)	IT (EP 3,833,023)	JP 5,696,759
IE (EP 3,503,554)	IT (EP 3,833,024)	JP 5,696,760
IE (EP 3,515,073)	IT (EP 3,910,945)	JP 5,720,751
IE (EP 3,515,077)	IT (EP 3,910,947)	JP 5,725,006
IE (EP 3,515,078)	JP 5,246,303	JP 5,725,009
IE (EP 3,515,079)	JP 5,252,029	JP 5,725,103
IE (EP 3,515,080)	JP 5,252,032	JP 5,725,104
IE (EP 3,654,651)	JP 5,402,995	JP 5,725,105
IE (EP 3,697,090)	JP 5,477,340	JP 5,725,106
IE (EP 3,697,091)	JP 5,477,343	JP 5,725,107
IE (EP 3,697,092)	JP 5,488,666	JP 5,725,108
IE (EP 3,703,370)	JP 5,561,348	JP 5,725,118
IE (EP 3,703,371)	JP 5,614,381	JP 5,725,119
IE (EP 3,716,621)	JP 5,617,834	JP 5,725,120
IE (EP 3,754,988)	JP 5,617,979	JP 5,725,121
IE (EP 3,833,022)	JP 5,617,989	JP 5,737,381
IE (EP 3,833,023)	JP 5,617,990	JP 5,737,382
IE (EP 3,833,024)	JP 5,633,597	JP 5,737,383
IE (EP 3,910,945)	JP 5,644,701	JP 5,737,384
IN 307,236	JP 5,644,886	JP 5,747,816
IN 322,135	JP 5,664,638	JP 5,776,711
IN 334850	JP 5,664,681	JP 5,776,712
IN 371698	JP 5,664,682	JP 5,776,713
IN 386660	JP 5,664,683	JP 5,776,714
IN 416496	JP 5,664,684	JP 5,783,280
IN 422423	JP 5,664,746	JP 5,783,281
IN 532769	JP 5,664,747	JP 5,783,282
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IT (EP 2,793,467)	JP 5,664,749	JP 5,807,588
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IT (EP 2,838,260)	JP 5,678,818	JP 5,835,208
IT (EP 2,838,261)	JP 5,678,924	JP 5,835,507

JP 5,835,518	JP 5,884,937	JP 6,094,658
JP 5,835,519	JP 5,884,938	JP 6,112,031
JP 5,835,520	JP 5,884,939	JP 6,112,248
JP 5,835,521	JP 5,884,940	JP 6,135,800
JP 5,835,522	JP 5,884,941	JP 6,135,801
JP 5,835,523	JP 5,884,942	JP 6,135,802
JP 5,835,524	JP 5,884,943	JP 6,135,803
JP 5,839,080	JP 5,900,307	JP 6,179,633
JP 5,839,081	JP 5,900,308	JP 6,183,509
JP 5,839,094	JP 5,907,192	JP 6,183,510
JP 5,839,101	JP 5,935,959	JP 6,183,511
JP 5,839,140	JP 5,958,165	JP 6,183,512
JP 5,839,141	JP 5,962,875	JP 6,233,489
JP 5,839,142	JP 5,962,876	JP 6,233,490
JP 5,839,143	JP 5,962,877	JP 6,252,654
JP 5,839,144	JP 5,975,146	JP 6,252,663
JP 5,839,145	JP 5,979,189	JP 6,252,664
JP 5,842,803	JP 5,979,190	JP 6,264,476
JP 5,843,039	JP 5,979,191	JP 6,274,336
JP 5,843,040	JP 5,979,192	JP 6,274,337
JP 5,843,041	JP 5,987,767	JP 6,315,133
JP 5,843,042	JP 5,987,768	JP 6,315,134
JP 5,846,132	JP 6,004,134	JP 6,315,135
JP 5,846,133	JP 6,004,135	JP 6,315,136
JP 5,846,327	JP 6,004,136	JP 6,315,137
JP 5,846,328	JP 6,004,137	JP 6,315,138
JP 5,846,329	JP 6,020,323	JP 6,376,260
JP 5,846,330	JP 6,020,760	JP 6,443,569
JP 5,853,841	JP 6,020,761	JP 6,443,570
JP 5,853,842	JP 6,020,762	JP 6,620,867
JP 5,854,110	JP 6,020,763	JP 6,644,270
JP 5,858,109	JP 6,036,965	JP 6,798,598
JP 5,858,110	JP 6,036,974	KR 1,571,947
JP 5,858,111	JP 6,036,975	KR 1,588,143
JP 5,858,112	JP 6,036,976	KR 1,589,388
JP 5,858,191	JP 6,036,977	KR 1,590,733
JP 5,858,192	JP 6,064,580	KR 1,598,306
JP 5,858,193	JP 6,064,581	KR 1,617,974
JP 5,858,194	JP 6,070,872	KR 1,637,142
JP 5,862,821	JP 6,070,873	KR 1,640,357
JP 5,862,822	JP 6,070,874	KR 1,668,575
JP 5,862,823	JP 6,070,875	KR 1,668,583
JP 5,862,824	JP 6,079,918	KR 1,672,662
JP 5,874,790	JP 6,079,919	KR 1,675,707
JP 5,874,791	JP 6,090,487	KR 1,677,003
JP 5,874,792	JP 6,090,488	KR 1,678,347
JP 5,874,793	JP 6,090,515	KR 1,681,011
JP 5,880,613	JP 6,090,516	KR 1,711,355
JP 5,884,697	JP 6,090,517	KR 1,729,429
JP 5,884,761	JP 6,090,518	KR 1,729,463
JP 5,884,936	JP 6,094,657	KR 1,742,449

KR 1,742,932	LU (EP 3,910,945)	NL (EP 3,754,988)
KR 1,744,468	LU (EP 3,910,947)	NL (EP 3,833,022)
KR 1,777,097	LV (EP 3,754,988)	NL (EP 3,833,023)
KR 1,809,879	LV (EP 3,833,024)	NL (EP 3,833,024)
KR 1,809,880	LV (EP 3,910,945)	NL (EP 3,910,945)
KR 1,809,881	LV (EP 3,910,947)	NL (EP 3,910,947)
KR 1,832,682	MT (EP 3,754,988)	NO (EP 3,515,077)
KR 1,842,851	MT (EP 3,833,024)	NO (EP 3,697,090)
KR 2,103,682	MT (EP 3,910,945)	NO (EP 3,697,091)
KR 2,200,578	MT (EP 3,910,947)	NO (EP 3,697,092)
KR 2,279,115	MX 339,686	NO (EP 3,703,371)
KR 2,365,353	MX 346,521	NO (EP 3,716,621)
KR 2,464,103	MX 363,851	NO (EP 3,833,022)
LI (EP 2,717,574)	MX 386,960	NO (EP 3,833,023)
LI (EP 2,793,467)	MY-162891-A	NO (EP 3,833,024)
LI (EP 2,802,146)	MY-162892-A	PA 90377
LI (EP 2,838,260)	MY-166213-A	PE 001633-2014/DIN
LI (EP 2,838,261)	MY-172793-A	PE 001895-2019/DIN
LI (EP 2,981,087)	MY-177865-A	PH 1-2014-502137
LI (EP 3,249,926)	MY-183790-A	PH 1-2017-500788
LI (EP 3,416,383)	NG/PT/C/2014/627	PH 1-2017-500789
LI (EP 3,416,384)	NG/PT/C/2015/1215	PH 1-2017-500790
LI (EP 3,416,385)	NG/PT/C/2015/1217	PH 1-2017-500791
LI (EP 3,419,289)	NG/PT/C/2015/1218	PL (EP 2,717,574)
LI (EP 3,419,290)	NG/PT/C/2015/1219	PL (EP 2,793,467)
LI (EP 3,422,714)	NL (EP 2,717,574)	PL (EP 2,802,146)
LI (EP 3,503,554)	NL (EP 2,793,467)	PL (EP 2,838,260)
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LI (EP 3,515,079)	NL (EP 2,981,087)	PL (EP 3,416,383)
LI (EP 3,515,080)	NL (EP 3,249,926)	PL (EP 3,416,384)
LI (EP 3,654,651)	NL (EP 3,416,383)	PL (EP 3,416,385)
LI (EP 3,697,090)	NL (EP 3,416,384)	PL (EP 3,419,289)
LI (EP 3,697,091)	NL (EP 3,416,385)	PL (EP 3,419,290)
LI (EP 3,697,092)	NL (EP 3,419,289)	PL (EP 3,422,714)
LI (EP 3,703,370)	NL (EP 3,419,290)	PL (EP 3,503,554)
LI (EP 3,703,371)	NL (EP 3,422,714)	PL (EP 3,515,073)
LI (EP 3,716,621)	NL (EP 3,503,554)	PL (EP 3,515,077)
LI (EP 3,754,988)	NL (EP 3,515,073)	PL (EP 3,515,078)
LI (EP 3,833,022)	NL (EP 3,515,077)	PL (EP 3,515,079)
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LI (EP 3,833,024)	NL (EP 3,515,079)	PL (EP 3,654,651)
LI (EP 3,910,945)	NL (EP 3,515,080)	PL (EP 3,697,090)
LI (EP 3,910,947)	NL (EP 3,654,651)	PL (EP 3,697,091)
LT (EP 3,754,988)	NL (EP 3,697,090)	PL (EP 3,697,092)
LT (EP 3,833,024)	NL (EP 3,697,091)	PL (EP 3,703,370)
LT (EP 3,910,945)	NL (EP 3,697,092)	PL (EP 3,703,371)
LT (EP 3,910,947)	NL (EP 3,703,370)	PL (EP 3,716,621)
LU (EP 3,754,988)	NL (EP 3,703,371)	PL (EP 3,754,988)
LU (EP 3,833,024)	NL (EP 3,716,621)	PL (EP 3,833,022)

PL (EP 3,833,023)	RU 2,679,215	SI (EP 2,838,261)
PL (EP 3,833,024)	RU 2,679,216	SI (EP 2,981,087)
PL (EP 3,910,945)	RU 2,679,552	SI (EP 3,249,926)
PL (EP 3,910,947)	RU 2,682,368	SI (EP 3,503,554)
PT (EP 3,754,988)	RU 2,683,687	SI (EP 3,515,078)
PT (EP 3,833,024)	RU 2,687,218	SI (EP 3,515,079)
PT (EP 3,910,945)	RU 2,688,149	SI (EP 3,654,651)
PT (EP 3,910,947)	RU 2,689,377	SI (EP 3,697,090)
RO (EP 2,717,574)	RU 2,689,808	SI (EP 3,697,091)
RO (EP 2,838,260)	RU 2,693,316	SI (EP 3,697,092)
RO (EP 3,515,077)	RU 2,697,386	SI (EP 3,703,370)
RO (EP 3,515,078)	RU 2,697,806	SI (EP 3,703,371)
RO (EP 3,515,079)	RU 2,697,927	SI (EP 3,716,621)
RO (EP 3,654,651)	RU 2,699,388	SI (EP 3,754,988)
RO (EP 3,697,090)	RU 2,705,650	SI (EP 3,833,022)
RO (EP 3,697,091)	RU 2,707,411	SI (EP 3,833,023)
RO (EP 3,697,092)	RU 2,708,295	SI (EP 3,833,024)
RO (EP 3,703,370)	RU 2,708,359	SI (EP 3,910,945)
RO (EP 3,703,371)	RU 2,708,360	SI (EP 3,910,947)
RO (EP 3,716,621)	RU 2,708,506	SK (EP 2,717,574)
RO (EP 3,833,022)	RU 2,713,848	SK (EP 2,838,260)
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RU 2579665	SE (EP 2,793,467)	SK (EP 3,416,383)
RU 2582864	SE (EP 2,802,146)	SK (EP 3,416,384)
RU 2589297	SE (EP 2,838,260)	SK (EP 3,416,385)
RU 2,594,985	SE (EP 2,838,261)	SK (EP 3,419,289)
RU 2595891	SE (EP 2,981,087)	SK (EP 3,419,290)
RU 2598302	SE (EP 3,249,926)	SK (EP 3,422,714)
RU 2606399	SE (EP 3,503,554)	SK (EP 3,503,554)
RU 2617920	SE (EP 3,515,078)	SK (EP 3,515,073)
RU 2623796	SE (EP 3,515,079)	SK (EP 3,515,077)
RU 2628185	SE (EP 3,654,651)	SK (EP 3,515,078)
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RU 2633175	SE (EP 3,697,092)	SK (EP 3,654,651)
RU 2633179	SE (EP 3,703,370)	SK (EP 3,697,090)
RU 2636688	SE (EP 3,703,371)	SK (EP 3,697,091)
RU 2639266	SE (EP 3,716,621)	SK (EP 3,697,092)
RU 2639665	SE (EP 3,754,988)	SK (EP 3,703,370)
RU 2639937	SE (EP 3,833,022)	SK (EP 3,703,371)
RU 2639939	SE (EP 3,833,023)	SK (EP 3,716,621)
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RU 2,654,516	SE (EP 3,910,945)	SK (EP 3,833,022)
RU 2,658,146	SE (EP 3,910,947)	SK (EP 3,833,023)
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**Korea Advanced Institute of
Science and Technology
(KAIST) and Korean
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(terminated January 2, 2020)**

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**NEC Corporation (terminated
January 25, 2023)**

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JP 5,698,644	JP 6,467,030	KR 1,855,975
JP 5,698,767	JP 6,486,528	KR 1,869,830
JP 5,711,416	KR 1,513,956	KR 1,878,293
JP 5,711,417	KR 1,560,757	KR 1,915,079
JP 5,712,330	KR 1,572,462	KR 1,918,012
JP 5,715,291	KR 1,581,399	KR 1,923,527
JP 5,732,582	KR 1,600,919	KR 1,924,885
JP 5,736,083	KR 1,628,800	KR 1,927,281
JP 5,753,595	KR 1,640,872	KR 1,927,282
JP 5,774,753	KR 1,640,873	KR 1,927,283
JP 5,775,959	KR 1,648,443	KR 1,931,276
JP 5,779,270	KR 1,662,654	KR 1,934,051
JP 5,781,313	KR 1,662,655	KR 1,949,720
JP 5,798,539	KR 1,664,202	KR 1,952,726
JP 5,808,839	KR 1,665,490	LI (EP 2,549,758)
JP 5,859,691	KR 1,672,790	LI (EP 2,594,076)
JP 5,865,965	KR 1,686,519	LI (EP 2,656,507)
JP 5,885,604	KR 1,686,520	LI (EP 2,663,077)
JP 5,893,711	KR 1,695,170	LI (EP 2,899,982)
JP 5,922,281	KR 1,700,236	LI (EP 2,916,549)
JP 5,933,086	KR 1,708,732	LI (EP 2,934,008)
JP 5,951,063	KR 1,711,381	LI (EP 2,934,009)
JP 5,957,558	KR 1,717,965	LI (EP 2,938,078)
JP 5,960,316	KR 1,729,051	LI (EP 2,938,082)
JP 5,972,687	KR 1,745,928	LI (EP 2,942,965)
JP 5,977,852	KR 1,747,122	LI (EP 2,988,500)
JP 5,982,537	KR 1,747,195	LI (EP 2,996,334)
JP 6,000,398	KR 1,748,810	LI (EP 3,232,666)
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JP 6,045,222	KR 1,752,263	MX 321,386
JP 6,046,843	KR 1,755,363	MX 322,447
JP 6,088,689	KR 1,764,235	MX 325,372

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MX 330,228	NO (EP 2,656,507)	PT (EP 2,988,500)
MX 330,390	NO (EP 2,663,077)	PT (EP 2,996,334)
MX 330,730	NO (EP 2,899,982)	PT (EP 3,177,019)
MX 331,123	NO (EP 2,916,549)	PT (EP 3,232,666)
MX 335,139	NO (EP 2,934,008)	RO (EP 2,549,758)
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MX 337,791	NO (EP 2,942,965)	RO (EP 2,770,737)
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MX 347,649	PL (EP 2,594,076)	RO (EP 2,942,965)
MX 348,155	PL (EP 2,656,507)	RO (EP 2,988,500)
MX 350,267	PL (EP 2,663,077)	RO (EP 2,996,334)
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SG 191,232	TR (EP 2,996,334)	US 9,693,052
SG 191267	TR (EP 3,177,019)	US 9,736,494
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US 9,838,708	<u>REEF LLC (terminated February 10, 2026)</u>	AL (EP 2,905,962)
US 9,860,532		AL (EP 2,908,525)
US 9,860,534		AL (EP 2,911,398)
US 9,877,040	KR 1,947,657	AL (EP 2,911,399)
US 9,942,565	KR 1,947,658	AL (EP 2,911,400)
US 9,967,589	KR 2,005,468	AL (EP 2,911,401)
US 9,973,775		AL (EP 2,924,995)
US 9,986,261	<u>Samsung Electronics Co., Ltd. (terminated March 27, 2020)</u>	AL (EP 2,924,996)
US 10,015,509		AL (EP 2,940,996)
US 10,063,855		AL (EP 2,940,997)
US 10,063,888	AE 165/2013	AL (EP 2,940,999)
US 10,075,723	AE 1790	AL (EP 2,950,532)
US 10,075,724	AL (EP 2,443,833)	AL (EP 2,950,539)
US 10,104,392	AL (EP 2,452,493)	AL (EP 2,950,540)
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US 10,116,960	AL (EP 2,545,710)	AL (EP 2,953,356)
US 10,123,042	AL (EP 2545713)	AL (EP 2,955,917)
US 10,154,280	AL (EP 2,580,912)	AL (EP 2,955,918)
US 10,165,271	AL (EP 2,592,832)	AL (EP 2,986,003)
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US 10,230,987	AL (EP 2665267)	AL (EP 2,996,341)
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VN 18336	AL (EP 2,860,980)	AL (EP 3,282,707)
	AL (EP 2,863,639)	AL (EP 3,300,371)
<u>NTT, Inc. (terminated January 2, 2020)</u>	AL (EP 2,869,563)	AT (EP 2,443,833)
	AL (EP 2,882,188)	AT (EP 2,452,493)
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CN 101822062	AL (EP 2,887,670)	AT (EP 2,471,266)
JP 4,987,085	AL (EP 2,890,123)	AT (EP 2,489,186)
KR 1,159,292	AL (EP 2,897,364)	AT (EP 2,510,698)
RU 2,479,940	AL (EP 2,897,365)	AT (EP 2,545,710)
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DK (EP 2,838,267)	DK (EP 2,999,226)	ES (EP 2,471,266)
DK (EP 2,838,270)	DK (EP 2,999,227)	ES (EP 2,489,186)
DK (EP 2,840,789)	DK (EP 3,032,829)	ES (EP 2,510,698)
DK (EP 2,854,398)	DK (EP 3,059,708)	ES (EP 2,545,710)
DK (EP 2,858,366)	DK (EP 3,101,900)	ES (EP 2545713)
DK (EP 2,860,980)	DK (EP 3,101,901)	ES (EP 2,580,912)
DK (EP 2,863,639)	DK (EP 3,104,616)	ES (EP 2,592,832)
DK (EP 2,866,442)	DK (EP 3,104,617)	ES (EP 2,594,075)
DK (EP 2,869,563)	DK (EP 3,136,728)	ES (EP 2,608,539)
DK (EP 2,882,188)	DK (EP 3,136,729)	ES (EP 2,629,526)
DK (EP 2,884,749)	DK (EP 3,145,197)	ES (EP 2,629,527)
DK (EP 2,887,670)	DK (EP 3,166,317)	ES (EP 2,629,528)
DK (EP 2,890,123)	DK (EP 3,232,664)	ES (EP 2,640,076)

ES (EP 2665267)	ES (EP 2,950,540)	ES (EP 3,454,561)
ES (EP 2,665,268)	ES (EP 2,950,541)	ES (EP 3,461,130)
ES (EP 2,677,749)	ES (EP 2,950,542)	ES (EP 3,462,737)
ES (EP 2,677,752)	ES (EP 2,953,355)	FI (EP 2,443,833)
ES (EP 2,677,753)	ES (EP 2,953,356)	FI (EP 2,452,493)
ES (EP 2,712,198)	ES (EP 2,955,917)	FI (EP 2,452,494)
ES (EP 2712200)	ES (EP 2,955,918)	FI (EP 2,471,266)
ES (EP 2713617)	ES (EP 2,986,003)	FI (EP 2,489,186)
ES (EP 2,713,618)	ES (EP 2,986,004)	FI (EP 2,510,698)
ES (EP 2,728,866)	ES (EP 2,986,005)	FI (EP 2,545,710)
ES (EP 2,744,204)	ES (EP 2,986,006)	FI (EP 2545713)
ES (EP 2,773,109)	ES (EP 2,996,337)	FI (EP 2,580,912)
ES (EP 2804383)	ES (EP 2,996,340)	FI (EP 2,592,832)
ES (EP 2,811,745)	ES (EP 2,996,341)	FI (EP 2,594,075)
ES (EP 2,830,313)	ES (EP 2,996,342)	FI (EP 2,608,539)
ES (EP 2,838,267)	ES (EP 2,999,224)	FI (EP 2,629,526)
ES (EP 2,838,270)	ES (EP 2,999,226)	FI (EP 2,629,527)
ES (EP 2,840,789)	ES (EP 2,999,227)	FI (EP 2,629,528)
ES (EP 2,854,398)	ES (EP 3,032,829)	FI (EP 2,640,076)
ES (EP 2,858,366)	ES (EP 3,059,708)	FI (EP 2665267)
ES (EP 2,860,980)	ES (EP 3,101,900)	FI (EP 2,665,268)
ES (EP 2,863,639)	ES (EP 3,101,901)	FI (EP 2,677,749)
ES (EP 2,866,442)	ES (EP 3,104,616)	FI (EP 2,712,198)
ES (EP 2,869,563)	ES (EP 3,104,617)	FI (EP 2712200)
ES (EP 2,882,188)	ES (EP 3,136,728)	FI (EP 2713617)
ES (EP 2,884,749)	ES (EP 3,136,729)	FI (EP 2,713,618)
ES (EP 2,887,670)	ES (EP 3,145,197)	FI (EP 2,728,866)
ES (EP 2,890,123)	ES (EP 3,166,317)	FI (EP 2,744,204)
ES (EP 2,897,364)	ES (EP 3,232,664)	FI (EP 2,773,109)
ES (EP 2,897,365)	ES (EP 3,249,611)	FI (EP 2804383)
ES (EP 2,899,978)	ES (EP 3,267,683)	FI (EP 2,811,745)
ES (EP 2,899,979)	ES (EP 3,280,145)	FI (EP 2,838,267)
ES (EP 2,899,980)	ES (EP 3,282,696)	FI (EP 2,838,270)
ES (EP 2,899,981)	ES (EP 3,282,705)	FI (EP 2,840,789)
ES (EP 2,903,273)	ES (EP 3,282,707)	FI (EP 2,854,398)
ES (EP 2,903,274)	ES (EP 3,297,283)	FI (EP 2,858,366)
ES (EP 2,903,279)	ES (EP 3,297,284)	FI (EP 2,860,980)
ES (EP 2,905,962)	ES (EP 3,300,365)	FI (EP 2,863,639)
ES (EP 2,908,525)	ES (EP 3,300,371)	FI (EP 2,866,442)
ES (EP 2,911,398)	ES (EP 3,313,076)	FI (EP 2,869,563)
ES (EP 2,911,399)	ES (EP 3,322,183)	FI (EP 2,882,188)
ES (EP 2,911,400)	ES (EP 3,361,732)	FI (EP 2,884,749)
ES (EP 2,911,401)	ES (EP 3,361,733)	FI (EP 2,887,670)
ES (EP 2,924,995)	ES (EP 3,361,734)	FI (EP 2,890,123)
ES (EP 2,924,996)	ES (EP 3,361,735)	FI (EP 2,897,364)
ES (EP 2,928,192)	ES (EP 3,416,292)	FI (EP 2,897,365)
ES (EP 2,940,996)	ES (EP 3,435,675)	FI (EP 2,899,979)
ES (EP 2,940,997)	ES (EP 3,439,307)	FI (EP 2,899,980)
ES (EP 2,940,999)	ES (EP 3,448,025)	FI (EP 2,899,981)
ES (EP 2,950,532)	ES (EP 3,448,030)	FI (EP 2,903,273)
ES (EP 2,950,539)	ES (EP 3,448,039)	FI (EP 2,903,274)

FI (EP 2,903,279)	FR (EP 2,452,494)	FR (EP 2,903,279)
FI (EP 2,905,962)	FR (EP 2,471,266)	FR (EP 2,905,962)
FI (EP 2,908,525)	FR (EP 2,489,186)	FR (EP 2,908,525)
FI (EP 2,911,398)	FR (EP 2,510,698)	FR (EP 2,911,398)
FI (EP 2,911,399)	FR (EP 2,545,710)	FR (EP 2,911,399)
FI (EP 2,911,400)	FR (EP 2,545,713)	FR (EP 2,911,400)
FI (EP 2,911,401)	FR (EP 2,580,912)	FR (EP 2,911,401)
FI (EP 2,924,995)	FR (EP 2,592,832)	FR (EP 2,924,995)
FI (EP 2,924,996)	FR (EP 2,594,075)	FR (EP 2,924,996)
FI (EP 2,928,192)	FR (EP 2,608,539)	FR (EP 2,928,192)
FI (EP 2,940,996)	FR (EP 2,629,526)	FR (EP 2,940,996)
FI (EP 2,940,997)	FR (EP 2,629,527)	FR (EP 2,940,997)
FI (EP 2,940,999)	FR (EP 2,629,528)	FR (EP 2,940,999)
FI (EP 2,950,532)	FR (EP 2,640,076)	FR (EP 2,950,532)
FI (EP 2,950,539)	FR (EP 2,665,267)	FR (EP 2,950,539)
FI (EP 2,950,540)	FR (EP 2,665,268)	FR (EP 2,950,540)
FI (EP 2,950,541)	FR (EP 2,677,749)	FR (EP 2,950,541)
FI (EP 2,950,542)	FR (EP 2,677,752)	FR (EP 2,950,542)
FI (EP 2,953,355)	FR (EP 2,677,753)	FR (EP 2,953,355)
FI (EP 2,953,356)	FR (EP 2,712,198)	FR (EP 2,953,356)
FI (EP 2,955,917)	FR (EP 2,712,199)	FR (EP 2,955,917)
FI (EP 2,955,918)	FR (EP 2,712,200)	FR (EP 2,955,918)
FI (EP 2,986,003)	FR (EP 2,713,617)	FR (EP 2,986,003)
FI (EP 2,986,004)	FR (EP 2,713,618)	FR (EP 2,986,004)
FI (EP 2,986,005)	FR (EP 2,728,866)	FR (EP 2,986,005)
FI (EP 2,996,337)	FR (EP 2,744,204)	FR (EP 2,986,006)
FI (EP 2,996,340)	FR (EP 2,773,109)	FR (EP 2,996,337)
FI (EP 2,996,341)	FR (EP 2,804,383)	FR (EP 2,996,340)
FI (EP 2,996,342)	FR (EP 2,811,745)	FR (EP 2,996,341)
FI (EP 2,999,224)	FR (EP 2,830,313)	FR (EP 2,996,342)
FI (EP 2,999,226)	FR (EP 2,838,267)	FR (EP 2,999,224)
FI (EP 2,999,227)	FR (EP 2,838,270)	FR (EP 2,999,226)
FI (EP 3,059,708)	FR (EP 2,840,789)	FR (EP 2,999,227)
FI (EP 3,101,900)	FR (EP 2,854,398)	FR (EP 3,032,829)
FI (EP 3,101,901)	FR (EP 2,858,366)	FR (EP 3,059,708)
FI (EP 3,104,616)	FR (EP 2,860,980)	FR (EP 3,101,900)
FI (EP 3,104,617)	FR (EP 2,863,639)	FR (EP 3,101,901)
FI (EP 3,136,728)	FR (EP 2,866,442)	FR (EP 3,104,616)
FI (EP 3,136,729)	FR (EP 2,869,563)	FR (EP 3,104,617)
FI (EP 3,145,197)	FR (EP 2,882,188)	FR (EP 3,136,728)
FI (EP 3,166,317)	FR (EP 2,884,749)	FR (EP 3,136,729)
FI (EP 3,232,664)	FR (EP 2,887,670)	FR (EP 3,145,197)
FI (EP 3,267,683)	FR (EP 2,890,123)	FR (EP 3,166,317)
FI (EP 3,280,145)	FR (EP 2,897,364)	FR (EP 3,232,664)
FI (EP 3,282,696)	FR (EP 2,897,365)	FR (EP 3,249,611)
FI (EP 3,282,705)	FR (EP 2,899,978)	FR (EP 3,267,683)
FI (EP 3,282,707)	FR (EP 2,899,979)	FR (EP 3,280,145)
FI (EP 3,300,371)	FR (EP 2,899,980)	FR (EP 3,282,696)
FI (EP 3,462,737)	FR (EP 2,899,981)	FR (EP 3,282,705)
FR (EP 2,443,833)	FR (EP 2,903,273)	FR (EP 3,282,707)
FR (EP 2,452,493)	FR (EP 2,903,274)	FR (EP 3,297,283)

FR (EP 3,297,284)	GB (EP 2,840,789)	GB (EP 2,999,227)
FR (EP 3,300,365)	GB (EP 2,854,398)	GB (EP 3,032,829)
FR (EP 3,300,371)	GB (EP 2,858,366)	GB (EP 3,059,708)
FR (EP 3,313,076)	GB (EP 2,860,980)	GB (EP 3,101,900)
FR (EP 3,322,183)	GB (EP 2,863,639)	GB (EP 3,101,901)
FR (EP 3,361,732)	GB (EP 2,866,442)	GB (EP 3,104,616)
FR (EP 3,361,733)	GB (EP 2,869,563)	GB (EP 3,104,617)
FR (EP 3,361,734)	GB (EP 2,882,188)	GB (EP 3,136,728)
FR (EP 3,361,735)	GB (EP 2,884,749)	GB (EP 3,136,729)
FR (EP 3,416,292)	GB (EP 2,887,670)	GB (EP 3,145,197)
FR (EP 3,435,675)	GB (EP 2,890,123)	GB (EP 3,166,317)
FR (EP 3,439,307)	GB (EP 2,897,364)	GB (EP 3,232,664)
FR (EP 3,448,025)	GB (EP 2,897,365)	GB (EP 3,249,611)
FR (EP 3,448,030)	GB (EP 2,899,978)	GB (EP 3,267,683)
FR (EP 3,448,039)	GB (EP 2,899,979)	GB (EP 3,280,145)
FR (EP 3,454,561)	GB (EP 2,899,980)	GB (EP 3,282,696)
FR (EP 3,461,130)	GB (EP 2,899,981)	GB (EP 3,282,705)
GB (EP 2,443,833)	GB (EP 2,903,273)	GB (EP 3,282,707)
GB (EP 2,452,493)	GB (EP 2,903,274)	GB (EP 3,297,283)
GB (EP 2,452,494)	GB (EP 2,903,279)	GB (EP 3,297,284)
GB (EP 2,471,266)	GB (EP 2,905,962)	GB (EP 3,300,365)
GB (EP 2,489,186)	GB (EP 2,908,525)	GB (EP 3,300,371)
GB (EP 2,510,698)	GB (EP 2,911,398)	GB (EP 3,313,076)
GB (EP 2,545,710)	GB (EP 2,911,399)	GB (EP 3,322,183)
GB (EP 2,545,713)	GB (EP 2,911,400)	GB (EP 3,361,732)
GB (EP 2,580,912)	GB (EP 2,911,401)	GB (EP 3,361,733)
GB (EP 2,592,832)	GB (EP 2,924,995)	GB (EP 3,361,734)
GB (EP 2,594,075)	GB (EP 2,924,996)	GB (EP 3,361,735)
GB (EP 2,608,539)	GB (EP 2,928,192)	GB (EP 3,416,292)
GB (EP 2,629,526)	GB (EP 2,940,996)	GB (EP 3,435,675)
GB (EP 2,629,527)	GB (EP 2,940,997)	GB (EP 3,439,307)
GB (EP 2,629,528)	GB (EP 2,940,999)	GB (EP 3,448,025)
GB (EP 2,640,076)	GB (EP 2,950,532)	GB (EP 3,448,030)
GB (EP 2,665,267)	GB (EP 2,950,539)	GB (EP 3,448,039)
GB (EP 2,665,268)	GB (EP 2,950,540)	GB (EP 3,454,561)
GB (EP 2,677,749)	GB (EP 2,950,541)	GB (EP 3,461,130)
GB (EP 2,677,752)	GB (EP 2,950,542)	GB (EP 3,462,737)
GB (EP 2,677,753)	GB (EP 2,953,355)	GR (EP 2,443,833)
GB (EP 2,712,198)	GB (EP 2,953,356)	GR (EP 2,452,493)
GB (EP 2,712,199)	GB (EP 2,955,917)	GR (EP 2,452,494)
GB (EP 2,712,200)	GB (EP 2,955,918)	GR (EP 2,471,266)
GB (EP 2,713,617)	GB (EP 2,986,003)	GR (EP 2,489,186)
GB (EP 2,713,618)	GB (EP 2,986,004)	GR (EP 2,510,698)
GB (EP 2,728,866)	GB (EP 2,986,005)	GR (EP 2,545,710)
GB (EP 2,744,204)	GB (EP 2,986,006)	GR (EP 2,545,713)
GB (EP 2,773,109)	GB (EP 2,996,337)	GR (EP 2,580,912)
GB (EP 2,804,383)	GB (EP 2,996,340)	GR (EP 2,592,832)
GB (EP 2,811,745)	GB (EP 2,996,341)	GR (EP 2,594,075)
GB (EP 2,830,313)	GB (EP 2,996,342)	GR (EP 2,608,539)
GB (EP 2,838,267)	GB (EP 2,999,224)	GR (EP 2,629,526)
GB (EP 2,838,270)	GB (EP 2,999,226)	GR (EP 2,629,527)

GR (EP 2,629,528)	GR (EP 2,950,542)	HR (EP 2,677,749)
GR (EP 2,640,076)	GR (EP 2,953,355)	HR (EP 2,712,198)
GR (EP 2665267)	GR (EP 2,953,356)	HR (EP 2712200)
GR (EP 2,665,268)	GR (EP 2,955,917)	HR (EP 2713617)
GR (EP 2,677,749)	GR (EP 2,955,918)	HR (EP 2,713,618)
GR (EP 2,712,198)	GR (EP 2,986,003)	HR (EP 2,728,866)
GR (EP 2712200)	GR (EP 2,986,004)	HR (EP 2,744,204)
GR (EP 2713617)	GR (EP 2,986,005)	HR (EP 2,773,109)
GR (EP 2,713,618)	GR (EP 2,996,337)	HR (EP 2804383)
GR (EP 2,728,866)	GR (EP 2,996,340)	HR (EP 2,811,745)
GR (EP 2,744,204)	GR (EP 2,996,341)	HR (EP 2,838,267)
GR (EP 2,773,109)	GR (EP 2,996,342)	HR (EP 2,838,270)
GR (EP 2804383)	GR (EP 2,999,224)	HR (EP 2,840,789)
GR (EP 2,811,745)	GR (EP 2,999,226)	HR (EP 2,854,398)
GR (EP 2,838,267)	GR (EP 2,999,227)	HR (EP 2,858,366)
GR (EP 2,838,270)	GR (EP 3,059,708)	HR (EP 2,860,980)
GR (EP 2,840,789)	GR (EP 3,101,900)	HR (EP 2,863,639)
GR (EP 2,854,398)	GR (EP 3,101,901)	HR (EP 2,866,442)
GR (EP 2,858,366)	GR (EP 3,104,616)	HR (EP 2,869,563)
GR (EP 2,860,980)	GR (EP 3,104,617)	HR (EP 2,882,188)
GR (EP 2,863,639)	GR (EP 3,136,728)	HR (EP 2,884,749)
GR (EP 2,866,442)	GR (EP 3,136,729)	HR (EP 2,887,670)
GR (EP 2,869,563)	GR (EP 3,145,197)	HR (EP 2,890,123)
GR (EP 2,884,749)	GR (EP 3,166,317)	HR (EP 2,897,364)
GR (EP 2,887,670)	GR (EP 3,232,664)	HR (EP 2,897,365)
GR (EP 2,890,123)	GR (EP 3,267,683)	HR (EP 2,899,978)
GR (EP 2,897,364)	GR (EP 3,280,145)	HR (EP 2,899,979)
GR (EP 2,897,365)	GR (EP 3,282,696)	HR (EP 2,899,980)
GR (EP 2,899,978)	GR (EP 3,282,705)	HR (EP 2,899,981)
GR (EP 2,899,979)	GR (EP 3,282,707)	HR (EP 2,903,273)
GR (EP 2,899,980)	GR (EP 3,300,371)	HR (EP 2,903,274)
GR (EP 2,899,981)	HK 1209542	HR (EP 2,903,279)
GR (EP 2,903,273)	HK 1,209,547	HR (EP 2,905,962)
GR (EP 2,903,274)	HR (EP 2,443,833)	HR (EP 2,908,525)
GR (EP 2,903,279)	HR (EP 2,452,493)	HR (EP 2,911,398)
GR (EP 2,905,962)	HR (EP 2,452,494)	HR (EP 2,911,399)
GR (EP 2,908,525)	HR (EP 2,471,266)	HR (EP 2,911,400)
GR (EP 2,911,398)	HR (EP 2,489,186)	HR (EP 2,911,401)
GR (EP 2,911,399)	HR (EP 2,510,698)	HR (EP 2,924,995)
GR (EP 2,911,400)	HR (EP 2,545,710)	HR (EP 2,924,996)
GR (EP 2,911,401)	HR (EP 2545713)	HR (EP 2,928,192)
GR (EP 2,924,995)	HR (EP 2,580,912)	HR (EP 2,940,996)
GR (EP 2,924,996)	HR (EP 2,592,832)	HR (EP 2,940,997)
GR (EP 2,928,192)	HR (EP 2,594,075)	HR (EP 2,940,999)
GR (EP 2,940,996)	HR (EP 2,608,539)	HR (EP 2,950,532)
GR (EP 2,940,997)	HR (EP 2,629,526)	HR (EP 2,950,539)
GR (EP 2,940,999)	HR (EP 2,629,527)	HR (EP 2,950,540)
GR (EP 2,950,532)	HR (EP 2,629,528)	HR (EP 2,950,541)
GR (EP 2,950,539)	HR (EP 2,640,076)	HR (EP 2,950,542)
GR (EP 2,950,540)	HR (EP 2665267)	HR (EP 2,953,355)
GR (EP 2,950,541)	HR (EP 2,665,268)	HR (EP 2,953,356)

HR (EP 2,955,917)	HU (EP 2713617)	HU (EP 2,986,003)
HR (EP 2,955,918)	HU (EP 2,713,618)	HU (EP 2,986,004)
HR (EP 2,986,003)	HU (EP 2,728,866)	HU (EP 2,986,005)
HR (EP 2,986,004)	HU (EP 2,744,204)	HU (EP 2,986,006)
HR (EP 2,986,005)	HU (EP 2,773,109)	HU (EP 2,996,337)
HR (EP 2,996,337)	HU (EP 2804383)	HU (EP 2,996,340)
HR (EP 2,996,340)	HU (EP 2,811,745)	HU (EP 2,996,341)
HR (EP 2,996,341)	HU (EP 2,830,313)	HU (EP 2,996,342)
HR (EP 2,996,342)	HU (EP 2,838,267)	HU (EP 2,999,224)
HR (EP 2,999,224)	HU (EP 2,838,270)	HU (EP 2,999,226)
HR (EP 2,999,226)	HU (EP 2,840,789)	HU (EP 2,999,227)
HR (EP 2,999,227)	HU (EP 2,854,398)	HU (EP 3,032,829)
HR (EP 3,059,708)	HU (EP 2,858,366)	HU (EP 3,059,708)
HR (EP 3,101,900)	HU (EP 2,860,980)	HU (EP 3,101,900)
HR (EP 3,101,901)	HU (EP 2,863,639)	HU (EP 3,101,901)
HR (EP 3,104,616)	HU (EP 2,866,442)	HU (EP 3,104,616)
HR (EP 3,104,617)	HU (EP 2,869,563)	HU (EP 3,104,617)
HR (EP 3,136,728)	HU (EP 2,882,188)	HU (EP 3,136,728)
HR (EP 3,136,729)	HU (EP 2,884,749)	HU (EP 3,136,729)
HR (EP 3,145,197)	HU (EP 2,887,670)	HU (EP 3,145,197)
HR (EP 3,166,317)	HU (EP 2,890,123)	HU (EP 3,166,317)
HR (EP 3,232,664)	HU (EP 2,897,364)	HU (EP 3,232,664)
HR (EP 3,267,683)	HU (EP 2,897,365)	HU (EP 3,249,611)
HR (EP 3,280,145)	HU (EP 2,899,978)	HU (EP 3,267,683)
HR (EP 3,282,696)	HU (EP 2,899,979)	HU (EP 3,280,145)
HR (EP 3,282,705)	HU (EP 2,899,980)	HU (EP 3,282,696)
HR (EP 3,282,707)	HU (EP 2,899,981)	HU (EP 3,282,705)
HR (EP 3,300,371)	HU (EP 2,903,273)	HU (EP 3,282,707)
HU (EP 2,443,833)	HU (EP 2,903,274)	HU (EP 3,297,283)
HU (EP 2,452,493)	HU (EP 2,903,279)	HU (EP 3,297,284)
HU (EP 2,452,494)	HU (EP 2,905,962)	HU (EP 3,300,365)
HU (EP 2,471,266)	HU (EP 2,908,525)	HU (EP 3,300,371)
HU (EP 2,489,186)	HU (EP 2,911,398)	HU (EP 3,313,076)
HU (EP 2,510,698)	HU (EP 2,911,399)	HU (EP 3,322,183)
HU (EP 2,545,710)	HU (EP 2,911,400)	HU (EP 3,361,732)
HU (EP 2545713)	HU (EP 2,911,401)	HU (EP 3,361,733)
HU (EP 2,580,912)	HU (EP 2,924,995)	HU (EP 3,361,734)
HU (EP 2,592,832)	HU (EP 2,924,996)	HU (EP 3,361,735)
HU (EP 2,594,075)	HU (EP 2,928,192)	HU (EP 3,416,292)
HU (EP 2,608,539)	HU (EP 2,940,996)	HU (EP 3,435,675)
HU (EP 2,629,526)	HU (EP 2,940,997)	HU (EP 3,439,307)
HU (EP 2,629,527)	HU (EP 2,940,999)	HU (EP 3,448,025)
HU (EP 2,629,528)	HU (EP 2,950,532)	HU (EP 3,448,030)
HU (EP 2,640,076)	HU (EP 2,950,539)	HU (EP 3,448,039)
HU (EP 2665267)	HU (EP 2,950,540)	HU (EP 3,454,561)
HU (EP 2,665,268)	HU (EP 2,950,541)	HU (EP 3,461,130)
HU (EP 2,677,749)	HU (EP 2,950,542)	HU (EP 3,462,737)
HU (EP 2,677,752)	HU (EP 2,953,355)	ID P000036480
HU (EP 2,677,753)	HU (EP 2,953,356)	ID P000039172
HU (EP 2,712,198)	HU (EP 2,955,917)	ID P000039760
HU (EP 2712200)	HU (EP 2,955,918)	ID P000039995

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ID P000046655	ID P000056768	ID W-00201301922
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ID P000046921	ID P000057966	ID W-00201302753
ID P000047004	ID P000058774	ID W-00201303994
ID P000047117	ID P000060408	ID P-00201400487
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ID P000047138	ID P000060692	ID P-00201404397
ID P000047412	ID P000061122	ID P-00201500449
ID P000047783	ID P000061592	ID P00201503944
ID P000047920	ID P000061599	IE (EP 2,443,833)
ID P000048331	ID P000061902	IE (EP 2,452,493)
ID P000048346	ID P000062017	IE (EP 2,452,494)
ID P000048370	ID P000062031	IE (EP 2,471,266)
ID P000048655	ID P000062139	IE (EP 2,489,186)
ID P000049194	ID P000062811	IE (EP 2,510,698)
ID P000049322	ID P000062813	IE (EP 2,545,710)
ID P000049369	ID P000063063	IE (EP 2545713)
ID P000050156	ID P000063255	IE (EP 2,580,912)
ID P000050354	ID P000063475	IE (EP 2,592,832)
ID P000050416	ID P000063554	IE (EP 2,594,075)
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ID P000050754	ID P000063958	IE (EP 2,629,526)
ID P000050983	ID P000064012	IE (EP 2,629,527)
ID P000051519	ID P000064025	IE (EP 2,629,528)
ID P000051686	ID P000064042	IE (EP 2,640,076)
ID P000052017	ID P000064089	IE (EP 2665267)
ID P000052111	ID P000064433	IE (EP 2,665,268)
ID P000052232	ID P000064468	IE (EP 2,677,749)
ID P000052381	ID P000065212	IE (EP 2,677,752)
ID P000053015	ID P000065994	IE (EP 2,712,198)
ID P000053016	ID P000066686	IE (EP 2712200)
ID P000053017	ID P000066965	IE (EP 2713617)
ID P000053118	ID P000067118	IE (EP 2,713,618)
ID P000053195	ID P000067781	IE (EP 2,728,866)
ID P000053300	ID P000067925	IE (EP 2,744,204)
ID P000053386	ID P000068147	IE (EP 2,773,109)
ID P000053644	ID P000068339	IE (EP 2804383)
ID P000053659	ID W-00201200066	IE (EP 2,811,745)
ID P000053784	ID W00201200067	IE (EP 2,830,313)
ID P000054082	ID W-00201200954	IE (EP 2,838,267)
ID P000054101	ID W00201200971	IE (EP 2,838,270)
ID P000054142	ID W-00201202678	IE (EP 2,840,789)
ID P000054251	ID W-00201204522	IE (EP 2,854,398)
ID P000054260	ID W-00201204524	IE (EP 2,858,366)
ID P000054419	ID W-00201204527	IE (EP 2,860,980)
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IE (EP 2,884,749)	IE (EP 3,145,197)	IS (EP 2,713,618)
IE (EP 2,887,670)	IE (EP 3,166,317)	IS (EP 2804383)
IE (EP 2,890,123)	IE (EP 3,232,664)	IS (EP 2,999,227)
IE (EP 2,897,364)	IE (EP 3,249,611)	IT (EP 2,443,833)
IE (EP 2,897,365)	IE (EP 3,267,683)	IT (EP 2,452,493)
IE (EP 2,899,978)	IE (EP 3,280,145)	IT (EP 2,452,494)
IE (EP 2,899,979)	IE (EP 3,282,696)	IT (EP 2,471,266)
IE (EP 2,899,980)	IE (EP 3,282,705)	IT (EP 2,489,186)
IE (EP 2,899,981)	IE (EP 3,282,707)	IT (EP 2,510,698)
IE (EP 2,903,273)	IE (EP 3,297,283)	IT (EP 2,545,710)
IE (EP 2,903,274)	IE (EP 3,297,284)	IT (EP 2545713)
IE (EP 2,903,279)	IE (EP 3,300,371)	IT (EP 2,580,912)
IE (EP 2,905,962)	IE (EP 3,361,733)	IT (EP 2,592,832)
IE (EP 2,908,525)	IE (EP 3,361,734)	IT (EP 2,594,075)
IE (EP 2,911,398)	IE (EP 3,435,675)	IT (EP 2,608,539)
IE (EP 2,911,399)	IL 224195	IT (EP 2,629,526)
IE (EP 2,911,400)	IL 224737	IT (EP 2,629,527)
IE (EP 2,911,401)	IL 239751	IT (EP 2,629,528)
IE (EP 2,924,995)	IL 243,289	IT (EP 2,640,076)
IE (EP 2,924,996)	IL 243290	IT (EP 2665267)
IE (EP 2,928,192)	IL 243291	IT (EP 2,665,268)
IE (EP 2,940,996)	IL 243,292	IT (EP 2,677,749)
IE (EP 2,940,997)	IL 244,567	IT (EP 2,677,752)
IE (EP 2,940,999)	IL 244,570	IT (EP 2,677,753)
IE (EP 2,950,532)	IL 248556	IT (EP 2,712,198)
IE (EP 2,950,539)	IL 248558	IT (EP 2712200)
IE (EP 2,950,540)	IL 248559	IT (EP 2713617)
IE (EP 2,950,541)	IN 303972	IT (EP 2,713,618)
IE (EP 2,950,542)	IN 308,002	IT (EP 2,728,866)
IE (EP 2,953,355)	IN 308,280	IT (EP 2,744,204)
IE (EP 2,953,356)	IN 312,484	IT (EP 2,773,109)
IE (EP 2,955,917)	IN 312,534	IT (EP 2804383)
IE (EP 2,955,918)	IN 314458	IT (EP 2,811,745)
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IE (EP 2,996,340)	IN 330627	IT (EP 2,858,366)
IE (EP 2,996,341)	IN 332161	IT (EP 2,860,980)
IE (EP 2,996,342)	IN 333005	IT (EP 2,863,639)
IE (EP 2,999,224)	IS (EP 2,452,494)	IT (EP 2,866,442)
IE (EP 2,999,226)	IS (EP 2545713)	IT (EP 2,869,563)
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IE (EP 3,059,708)	IS (EP 2,629,528)	IT (EP 2,884,749)
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IE (EP 3,104,616)	IS (EP 2,665,268)	IT (EP 2,897,364)
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IE (EP 3,136,728)	IS (EP 2712200)	IT (EP 2,899,978)
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IT (EP 2,986,005)	JP 5,632,515	KR 1,457,397
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IT (EP 2,996,337)	JP 5,639,687	KR 1,457,399
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IT (EP 3,166,317)	JP 5,746,170	KR 1,495,725
IT (EP 3,232,664)	JP 5,753,327	KR 1,503,269
IT (EP 3,249,611)	JP 5,753,328	KR 1,503,270
IT (EP 3,267,683)	JP 5,756,106	KR 1,507,811
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KR 1,522,850	LI (EP 2,594,075)	LI (EP 2,940,996)
KR 1,524,643	LI (EP 2,608,539)	LI (EP 2,940,997)
KR 1,529,992	LI (EP 2,629,526)	LI (EP 2,940,999)
KR 1,529,993	LI (EP 2,629,527)	LI (EP 2,950,532)
KR 1,529,994	LI (EP 2,629,528)	LI (EP 2,950,539)
KR 1,530,284	LI (EP 2,640,076)	LI (EP 2,950,540)
KR 1,530,285	LI (EP 2665267)	LI (EP 2,950,541)
KR 1,531,170	LI (EP 2,665,268)	LI (EP 2,950,542)
KR 1,539,235	LI (EP 2,677,749)	LI (EP 2,953,355)
KR 1,552,909	LI (EP 2,677,752)	LI (EP 2,953,356)
KR 1,564,423	LI (EP 2,712,198)	LI (EP 2,955,917)
KR 1,575,004	LI (EP 2712200)	LI (EP 2,955,918)
KR 1,575,005	LI (EP 2713617)	LI (EP 2,986,003)
KR 1,575,006	LI (EP 2,713,618)	LI (EP 2,986,004)
KR 1,598,142	LI (EP 2,728,866)	LI (EP 2,986,005)
KR 1,602,873	LI (EP 2,744,204)	LI (EP 2,986,006)
KR 1,604,032	LI (EP 2,773,109)	LI (EP 2,996,337)
KR 1,607,613	LI (EP 2804383)	LI (EP 2,996,340)
KR 1,624,649	LI (EP 2,811,745)	LI (EP 2,996,341)
KR 1,624,659	LI (EP 2,830,313)	LI (EP 2,996,342)
KR 1,644,539	LI (EP 2,838,267)	LI (EP 2,999,224)
KR 1,645,295	LI (EP 2,838,270)	LI (EP 2,999,226)
KR 1,650,545	LI (EP 2,840,789)	LI (EP 2,999,227)
KR 1,678,572	LI (EP 2,854,398)	LI (EP 3,032,829)
KR 1,683,177	LI (EP 2,858,366)	LI (EP 3,059,708)
KR 1,703,327	LI (EP 2,860,980)	LI (EP 3,101,900)
KR 1,733,794	LI (EP 2,863,639)	LI (EP 3,101,901)
KR 1,733,795	LI (EP 2,866,442)	LI (EP 3,104,616)
KR 1,743,245	LI (EP 2,869,563)	LI (EP 3,104,617)
KR 1,752,763	LI (EP 2,882,188)	LI (EP 3,136,728)
KR 1,768,207	LI (EP 2,884,749)	LI (EP 3,136,729)
KR 1,820,845	LI (EP 2,887,670)	LI (EP 3,145,197)
KR 1,821,703	LI (EP 2,890,123)	LI (EP 3,166,317)
KR 1,830,885	LI (EP 2,897,364)	LI (EP 3,232,664)
KR 1,882,950	LI (EP 2,897,365)	LI (EP 3,249,611)
KR 1,917,656	LI (EP 2,899,978)	LI (EP 3,267,683)
KR 1,943,991	LI (EP 2,899,979)	LI (EP 3,280,145)
KR 1,974,139	LI (EP 2,899,980)	LI (EP 3,282,696)
KR 1,982,819	LI (EP 2,899,981)	LI (EP 3,282,705)
KR 2,028,127	LI (EP 2,903,273)	LI (EP 3,282,707)
KR 2,085,183	LI (EP 2,903,274)	LI (EP 3,297,283)
LI (EP 2,443,833)	LI (EP 2,903,279)	LI (EP 3,297,284)
LI (EP 2,452,493)	LI (EP 2,905,962)	LI (EP 3,300,371)
LI (EP 2,452,494)	LI (EP 2,908,525)	LI (EP 3,361,733)
LI (EP 2,471,266)	LI (EP 2,911,398)	LI (EP 3,361,734)
LI (EP 2,489,186)	LI (EP 2,911,399)	LI (EP 3,435,675)
LI (EP 2,510,698)	LI (EP 2,911,400)	LK 17013
LI (EP 2,545,710)	LI (EP 2,911,401)	LT (EP 2,443,833)
LI (EP 2545713)	LI (EP 2,924,995)	LT (EP 2,452,493)
LI (EP 2,580,912)	LI (EP 2,924,996)	LT (EP 2,452,494)

LT (EP 2,471,266)	LT (EP 2,911,400)	LU (EP 2,580,912)
LT (EP 2,489,186)	LT (EP 2,911,401)	LU (EP 2,592,832)
LT (EP 2,510,698)	LT (EP 2,924,995)	LU (EP 2,594,075)
LT (EP 2,545,710)	LT (EP 2,924,996)	LU (EP 2,608,539)
LT (EP 2545713)	LT (EP 2,928,192)	LU (EP 2,629,526)
LT (EP 2,580,912)	LT (EP 2,940,996)	LU (EP 2,629,527)
LT (EP 2,592,832)	LT (EP 2,940,997)	LU (EP 2,629,528)
LT (EP 2,594,075)	LT (EP 2,940,999)	LU (EP 2,640,076)
LT (EP 2,608,539)	LT (EP 2,950,532)	LU (EP 2665267)
LT (EP 2,629,526)	LT (EP 2,950,539)	LU (EP 2,665,268)
LT (EP 2,629,527)	LT (EP 2,950,540)	LU (EP 2,677,749)
LT (EP 2,629,528)	LT (EP 2,950,541)	LU (EP 2,712,198)
LT (EP 2,640,076)	LT (EP 2,950,542)	LU (EP 2712200)
LT (EP 2665267)	LT (EP 2,953,355)	LU (EP 2713617)
LT (EP 2,665,268)	LT (EP 2,953,356)	LU (EP 2,713,618)
LT (EP 2,677,749)	LT (EP 2,955,917)	LU (EP 2,728,866)
LT (EP 2,712,198)	LT (EP 2,955,918)	LU (EP 2,744,204)
LT (EP 2712200)	LT (EP 2,986,003)	LU (EP 2,773,109)
LT (EP 2713617)	LT (EP 2,986,004)	LU (EP 2804383)
LT (EP 2,713,618)	LT (EP 2,986,005)	LU (EP 2,811,745)
LT (EP 2,728,866)	LT (EP 2,996,337)	LU (EP 2,838,267)
LT (EP 2,744,204)	LT (EP 2,996,340)	LU (EP 2,838,270)
LT (EP 2,773,109)	LT (EP 2,996,341)	LU (EP 2,840,789)
LT (EP 2804383)	LT (EP 2,996,342)	LU (EP 2,854,398)
LT (EP 2,811,745)	LT (EP 2,999,224)	LU (EP 2,858,366)
LT (EP 2,838,267)	LT (EP 2,999,226)	LU (EP 2,860,980)
LT (EP 2,838,270)	LT (EP 2,999,227)	LU (EP 2,863,639)
LT (EP 2,840,789)	LT (EP 3,059,708)	LU (EP 2,866,442)
LT (EP 2,854,398)	LT (EP 3,101,900)	LU (EP 2,869,563)
LT (EP 2,858,366)	LT (EP 3,101,901)	LU (EP 2,882,188)
LT (EP 2,860,980)	LT (EP 3,104,616)	LU (EP 2,884,749)
LT (EP 2,863,639)	LT (EP 3,104,617)	LU (EP 2,887,670)
LT (EP 2,866,442)	LT (EP 3,136,728)	LU (EP 2,890,123)
LT (EP 2,869,563)	LT (EP 3,136,729)	LU (EP 2,897,364)
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LT (EP 2,884,749)	LT (EP 3,166,317)	LU (EP 2,899,978)
LT (EP 2,887,670)	LT (EP 3,232,664)	LU (EP 2,899,979)
LT (EP 2,890,123)	LT (EP 3,267,683)	LU (EP 2,899,980)
LT (EP 2,897,364)	LT (EP 3,280,145)	LU (EP 2,899,981)
LT (EP 2,897,365)	LT (EP 3,282,696)	LU (EP 2,903,273)
LT (EP 2,899,978)	LT (EP 3,282,705)	LU (EP 2,903,274)
LT (EP 2,899,979)	LT (EP 3,282,707)	LU (EP 2,903,279)
LT (EP 2,899,980)	LT (EP 3,300,371)	LU (EP 2,905,962)
LT (EP 2,899,981)	LU (EP 2,443,833)	LU (EP 2,908,525)
LT (EP 2,903,273)	LU (EP 2,452,493)	LU (EP 2,911,398)
LT (EP 2,903,274)	LU (EP 2,452,494)	LU (EP 2,911,399)
LT (EP 2,903,279)	LU (EP 2,471,266)	LU (EP 2,911,400)
LT (EP 2,905,962)	LU (EP 2,489,186)	LU (EP 2,911,401)
LT (EP 2,908,525)	LU (EP 2,510,698)	LU (EP 2,924,995)
LT (EP 2,911,398)	LU (EP 2,545,710)	LU (EP 2,924,996)
LT (EP 2,911,399)	LU (EP 2545713)	LU (EP 2,928,192)

LU (EP 2,940,996)	LV (EP 2,629,527)	LV (EP 2,950,542)
LU (EP 2,940,997)	LV (EP 2,629,528)	LV (EP 2,953,355)
LU (EP 2,940,999)	LV (EP 2,640,076)	LV (EP 2,953,356)
LU (EP 2,950,532)	LV (EP 2665267)	LV (EP 2,955,917)
LU (EP 2,950,539)	LV (EP 2,665,268)	LV (EP 2,955,918)
LU (EP 2,950,540)	LV (EP 2,677,749)	LV (EP 2,986,003)
LU (EP 2,950,541)	LV (EP 2,712,198)	LV (EP 2,986,004)
LU (EP 2,950,542)	LV (EP 2712200)	LV (EP 2,986,005)
LU (EP 2,953,355)	LV (EP 2713617)	LV (EP 2,996,337)
LU (EP 2,953,356)	LV (EP 2,713,618)	LV (EP 2,996,340)
LU (EP 2,955,917)	LV (EP 2,744,204)	LV (EP 2,996,341)
LU (EP 2,955,918)	LV (EP 2,773,109)	LV (EP 2,996,342)
LU (EP 2,986,003)	LV (EP 2804383)	LV (EP 2,999,224)
LU (EP 2,986,004)	LV (EP 2,811,745)	LV (EP 2,999,226)
LU (EP 2,986,005)	LV (EP 2,838,267)	LV (EP 2,999,227)
LU (EP 2,996,337)	LV (EP 2,838,270)	LV (EP 3,059,708)
LU (EP 2,996,340)	LV (EP 2,840,789)	LV (EP 3,101,900)
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LU (EP 2,996,342)	LV (EP 2,858,366)	LV (EP 3,104,616)
LU (EP 2,999,224)	LV (EP 2,860,980)	LV (EP 3,104,617)
LU (EP 2,999,226)	LV (EP 2,863,639)	LV (EP 3,136,728)
LU (EP 2,999,227)	LV (EP 2,866,442)	LV (EP 3,136,729)
LU (EP 3,059,708)	LV (EP 2,869,563)	LV (EP 3,145,197)
LU (EP 3,101,900)	LV (EP 2,882,188)	LV (EP 3,166,317)
LU (EP 3,101,901)	LV (EP 2,884,749)	LV (EP 3,232,664)
LU (EP 3,104,616)	LV (EP 2,887,670)	LV (EP 3,267,683)
LU (EP 3,104,617)	LV (EP 2,890,123)	LV (EP 3,280,145)
LU (EP 3,136,728)	LV (EP 2,897,364)	LV (EP 3,282,696)
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LU (EP 3,145,197)	LV (EP 2,899,978)	LV (EP 3,282,707)
LU (EP 3,166,317)	LV (EP 2,899,979)	LV (EP 3,300,371)
LU (EP 3,232,664)	LV (EP 2,899,980)	MC (EP 2,452,494)
LU (EP 3,267,683)	LV (EP 2,899,981)	MC (EP 2545713)
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LU (EP 3,282,696)	LV (EP 2,903,274)	MC (EP 2,629,528)
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LU (EP 3,282,707)	LV (EP 2,905,962)	MC (EP 2665267)
LU (EP 3,300,371)	LV (EP 2,908,525)	MC (EP 2,665,268)
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MX 326542	MX 336650	MY 163803-A
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MX 327425	MX 336,877	MY 163989-A
MX 327686	MX 337,142	MY 164252-A
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MX 333,206	MX 358773	MY 170156A
MX 333,207	MX 364043	MY 171306-A
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MX 334250	MY 153787A	MY 172478-A
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MX 334,592	MY-154665-A	MY 172871-A
MX 334877	MY-154795-A	MY 172917A
MX 335,118	MY 155120-A	MY 173195A
MX 335119	MY-155121-4	MY 173199A
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MY PI2016001182	NL (EP 2,903,273)	NL (EP 3,282,707)
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NL (EP 2,452,493)	NL (EP 2,903,279)	NL (EP 3,297,284)
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NL (EP 2545713)	NL (EP 2,911,401)	NL (EP 3,361,733)
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PT (EP 2,897,365)	PT (EP 3,282,696)	RO (EP 2,899,981)
PT (EP 2,899,978)	PT (EP 3,282,705)	RO (EP 2,903,273)
PT (EP 2,899,979)	PT (EP 3,282,707)	RO (EP 2,903,274)
PT (EP 2,899,980)	PT (EP 3,300,371)	RO (EP 2,903,279)
PT (EP 2,899,981)	RO (EP 2,443,833)	RO (EP 2,905,962)
PT (EP 2,903,273)	RO (EP 2,452,493)	RO (EP 2,908,525)
PT (EP 2,903,274)	RO (EP 2,452,494)	RO (EP 2,911,398)
PT (EP 2,903,279)	RO (EP 2,471,266)	RO (EP 2,911,399)
PT (EP 2,905,962)	RO (EP 2,489,186)	RO (EP 2,911,400)
PT (EP 2,908,525)	RO (EP 2,510,698)	RO (EP 2,911,401)
PT (EP 2,911,398)	RO (EP 2,545,710)	RO (EP 2,924,995)
PT (EP 2,911,399)	RO (EP 2,545,713)	RO (EP 2,924,996)
PT (EP 2,911,400)	RO (EP 2,580,912)	RO (EP 2,928,192)
PT (EP 2,911,401)	RO (EP 2,592,832)	RO (EP 2,940,996)
PT (EP 2,924,995)	RO (EP 2,594,075)	RO (EP 2,940,997)
PT (EP 2,924,996)	RO (EP 2,608,539)	RO (EP 2,940,999)
PT (EP 2,928,192)	RO (EP 2,629,526)	RO (EP 2,950,532)
PT (EP 2,940,996)	RO (EP 2,629,527)	RO (EP 2,950,539)
PT (EP 2,940,997)	RO (EP 2,629,528)	RO (EP 2,950,540)
PT (EP 2,940,999)	RO (EP 2,640,076)	RO (EP 2,950,541)
PT (EP 2,950,532)	RO (EP 2,665,267)	RO (EP 2,950,542)
PT (EP 2,950,539)	RO (EP 2,665,268)	RO (EP 2,953,355)
PT (EP 2,950,540)	RO (EP 2,677,749)	RO (EP 2,953,356)
PT (EP 2,950,541)	RO (EP 2,677,753)	RO (EP 2,955,917)
PT (EP 2,950,542)	RO (EP 2,712,198)	RO (EP 2,955,918)
PT (EP 2,953,355)	RO (EP 2,712,200)	RO (EP 2,986,003)
PT (EP 2,953,356)	RO (EP 2,713,617)	RO (EP 2,986,004)
PT (EP 2,955,917)	RO (EP 2,713,618)	RO (EP 2,986,005)
PT (EP 2,955,918)	RO (EP 2,728,866)	RO (EP 2,996,337)
PT (EP 2,986,003)	RO (EP 2,744,204)	RO (EP 2,996,340)
PT (EP 2,986,004)	RO (EP 2,773,109)	RO (EP 2,996,341)
PT (EP 2,986,005)	RO (EP 2,804,383)	RO (EP 2,996,342)
PT (EP 2,996,337)	RO (EP 2,811,745)	RO (EP 2,999,224)
PT (EP 2,996,340)	RO (EP 2,830,313)	RO (EP 2,999,226)
PT (EP 2,996,341)	RO (EP 2,838,267)	RO (EP 2,999,227)
PT (EP 2,996,342)	RO (EP 2,838,270)	RO (EP 3,059,708)
PT (EP 2,999,224)	RO (EP 2,840,789)	RO (EP 3,101,900)
PT (EP 2,999,226)	RO (EP 2,854,398)	RO (EP 3,101,901)
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RO (EP 3,136,728)	RS (EP 2,903,273)	RU 2517193
RO (EP 3,136,729)	RS (EP 2,903,274)	RU 2517253
RO (EP 3,145,197)	RS (EP 2,903,279)	RU 2517293
RO (EP 3,166,317)	RS (EP 2,905,962)	RU 2517404
RO (EP 3,232,664)	RS (EP 2,908,525)	RU 2518635
RO (EP 3,267,683)	RS (EP 2,924,995)	RU 2,518,718
RO (EP 3,280,145)	RS (EP 2,924,996)	RU 2519280
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RO (EP 3,282,705)	RS (EP 2,940,997)	RU 2526861
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RO (EP 3,300,365)	RS (EP 2,950,532)	RU 2530252
RO (EP 3,300,371)	RS (EP 2,953,355)	RU 2530341
RO (EP 3,313,076)	RS (EP 2,953,356)	RU 2540842
RO (EP 3,322,183)	RS (EP 2,955,917)	RU 2542884
RO (EP 3,361,732)	RS (EP 2,955,918)	RU 2543519
RO (EP 3,361,735)	RS (EP 2,986,003)	RU 2546619
RO (EP 3,416,292)	RS (EP 2,986,004)	RU 2547707
RO (EP 3,439,307)	RS (EP 2,986,005)	RU 2551794
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RO (EP 3,454,561)	RS (EP 2,996,340)	RU 2555236
RO (EP 3,461,130)	RS (EP 2,996,341)	RU 2559737
RS (EP 2,471,266)	RS (EP 2,996,342)	RU 2559738
RS (EP 2,489,186)	RS (EP 2,999,224)	RU 2559740
RS (EP 2,510,698)	RS (EP 2,999,226)	RU 2559743
RS (EP 2,545,710)	RS (EP 2,999,227)	RU 2559751
RS (EP 2545713)	RS (EP 3,059,708)	RU 2559753
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RS (EP 2,869,563)	RU 2509436	RU 2579989
RS (EP 2,884,749)	RU 2510945	RU 2580057
RS (EP 2,887,670)	RU 2513707	RU 2580472
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RU 2589382	RU 2619706	SE (EP 2,811,745)
RU 2594291	RU 2,620,718	SE (EP 2,838,267)
RU 2595262	RU 2,621,008	SE (EP 2,838,270)
RU 2,595,576	RU 2,624,578	SE (EP 2,840,789)
RU 2595578	RU 2,627,033	SE (EP 2,854,398)
RU 2,595,596	RU 2,627,036	SE (EP 2,858,366)
RU 2,595,602	RU 2,627,294	SE (EP 2,860,980)
RU 2,595,607	RU 2,628,123	SE (EP 2,863,639)
RU 2,595,609	RU 2,632,139	SE (EP 2,866,442)
RU 2,595,610	RU 2,632,409	SE (EP 2,869,563)
RU 2,595,756	RU 2,635,877	SE (EP 2,882,188)
RU 2,595,946	RU 2,635,893	SE (EP 2,884,749)
RU 2,595,947	RU 2,636,100	SE (EP 2,887,670)
RU 2,595,949	RU 2,636,672	SE (EP 2,890,123)
RU 2,595,950	RU 2,637,881	SE (EP 2,897,364)
RU 2,597,484	RU 2,638,742	SE (EP 2,897,365)
RU 2597494	RU 2,639,691	SE (EP 2,899,978)
RU 2,597,521	RU 2,639,946	SE (EP 2,899,979)
RU 2,600,534	RU 2,640,719	SE (EP 2,899,980)
RU 2601180	RU 2,642,387	SE (EP 2,899,981)
RU 2,602,383	RU 2,643,497	SE (EP 2,903,273)
RU 2,602,784	RU 2,652,505	SE (EP 2,903,274)
RU 2,603,539	RU 2,660,640	SE (EP 2,903,279)
RU 2,603,541	RU 2,701,844	SE (EP 2,905,962)
RU 2,603,543	SE (EP 2,443,833)	SE (EP 2,908,525)
RU 2,604,997	SE (EP 2,452,493)	SE (EP 2,911,398)
RU 2,605,362	SE (EP 2,452,494)	SE (EP 2,911,399)
RU 2,605,915	SE (EP 2,471,266)	SE (EP 2,911,400)
RU 2,607,233	SE (EP 2,489,186)	SE (EP 2,911,401)
RU 2,607,247	SE (EP 2,510,698)	SE (EP 2,924,995)
RU 2,607,249	SE (EP 2,545,710)	SE (EP 2,924,996)
RU 2,607,250	SE (EP 2545713)	SE (EP 2,928,192)
RU 2,607,254	SE (EP 2,580,912)	SE (EP 2,940,996)
RU 2,607,255	SE (EP 2,592,832)	SE (EP 2,940,997)
RU 2,607,256	SE (EP 2,594,075)	SE (EP 2,940,999)
RU 2,607,257	SE (EP 2,608,539)	SE (EP 2,950,532)
RU 2,608,263	SE (EP 2,629,526)	SE (EP 2,950,539)
RU 2,608,264	SE (EP 2,629,527)	SE (EP 2,950,540)
RU 2,608,353	SE (EP 2,629,528)	SE (EP 2,950,541)
RU 2,608,465	SE (EP 2,640,076)	SE (EP 2,950,542)
RU 2,608,877	SE (EP 2665267)	SE (EP 2,953,355)
RU 2,609,077	SE (EP 2,665,268)	SE (EP 2,953,356)
RU 2,609,749	SE (EP 2,677,749)	SE (EP 2,955,917)
RU 2,609,750	SE (EP 2,712,198)	SE (EP 2,955,918)
RU 2,612,611	SE (EP 2712200)	SE (EP 2,986,003)
RU 2,612,612	SE (EP 2713617)	SE (EP 2,986,004)
RU 2,612,613	SE (EP 2,713,618)	SE (EP 2,986,005)
RU 2,612,614	SE (EP 2,728,866)	SE (EP 2,986,006)
RU 2,612,624	SE (EP 2,744,204)	SE (EP 2,996,337)
RU 2,614,544	SE (EP 2,773,109)	SE (EP 2,996,340)
RU 2,618,511	SE (EP 2804383)	SE (EP 2,996,341)

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SE (EP 2,999,226)	SG 10201510803W	SI (EP 2,897,365)
SE (EP 2,999,227)	SG 10201605379R	SI (EP 2,899,978)
SE (EP 3,059,708)	SG 10201701381R	SI (EP 2,899,979)
SE (EP 3,101,900)	SG 10201704574Y	SI (EP 2,899,980)
SE (EP 3,101,901)	SG 10201709163W	SI (EP 2,899,981)
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SE (EP 3,166,317)	SI (EP 2,452,493)	SI (EP 2,911,398)
SE (EP 3,232,664)	SI (EP 2,452,494)	SI (EP 2,911,399)
SE (EP 3,267,683)	SI (EP 2,471,266)	SI (EP 2,911,400)
SE (EP 3,280,145)	SI (EP 2,489,186)	SI (EP 2,911,401)
SE (EP 3,282,696)	SI (EP 2,510,698)	SI (EP 2,924,995)
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SE (EP 3,300,371)	SI (EP 2,580,912)	SI (EP 2,940,996)
SE (EP 3,313,076)	SI (EP 2,592,832)	SI (EP 2,940,997)
SE (EP 3,435,675)	SI (EP 2,594,075)	SI (EP 2,940,999)
SG 182491	SI (EP 2,608,539)	SI (EP 2,950,532)
SG 186970	SI (EP 2,629,526)	SI (EP 2,950,539)
SG 186978	SI (EP 2,629,527)	SI (EP 2,950,540)
SG 186996	SI (EP 2,629,528)	SI (EP 2,950,541)
SG 187055	SI (EP 2,640,076)	SI (EP 2,950,542)
SG 187860	SI (EP 2665267)	SI (EP 2,953,355)
SG 192511	SI (EP 2,665,268)	SI (EP 2,953,356)
SG 192512	SI (EP 2,677,749)	SI (EP 2,955,917)
SG 195591	SI (EP 2,712,198)	SI (EP 2,955,918)
SG 195593	SI (EP 2712200)	SI (EP 2,986,003)
SG 195964	SI (EP 2713617)	SI (EP 2,986,004)
SG 195967	SI (EP 2,713,618)	SI (EP 2,986,005)
SG 196007	SI (EP 2,728,866)	SI (EP 2,996,337)
SG 196797	SI (EP 2,744,204)	SI (EP 2,996,340)
SG 10201500920V	SI (EP 2,773,109)	SI (EP 2,996,341)
SG 10201500923S	SI (EP 2804383)	SI (EP 2,996,342)
SG 10201502731V	SI (EP 2,811,745)	SI (EP 2,999,224)
SG 10201502735P	SI (EP 2,838,267)	SI (EP 2,999,226)
SG 10201502738X	SI (EP 2,838,270)	SI (EP 2,999,227)
SG 10201502739Q	SI (EP 2,840,789)	SI (EP 3,059,708)
SG 10201503379S	SI (EP 2,854,398)	SI (EP 3,101,900)
SG 10201503381W	SI (EP 2,858,366)	SI (EP 3,101,901)
SG 10201503383P	SI (EP 2,860,980)	SI (EP 3,104,616)
SG 10201503487V	SI (EP 2,863,639)	SI (EP 3,104,617)
SG 10201503492W	SI (EP 2,866,442)	SI (EP 3,136,728)
SG 10201503685R	SI (EP 2,869,563)	SI (EP 3,136,729)
SG 10201503690Q	SI (EP 2,882,188)	SI (EP 3,145,197)
SG 10201503692U	SI (EP 2,884,749)	SI (EP 3,166,317)
SG 10201505817Y	SI (EP 2,887,670)	SI (EP 3,232,664)

SI (EP 3,267,683)	SK (EP 2,897,365)	SK (EP 3,249,611)
SI (EP 3,280,145)	SK (EP 2,899,978)	SK (EP 3,267,683)
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SI (EP 3,282,705)	SK (EP 2,899,980)	SK (EP 3,282,696)
SI (EP 3,282,707)	SK (EP 2,899,981)	SK (EP 3,282,705)
SI (EP 3,300,371)	SK (EP 2,903,273)	SK (EP 3,282,707)
SK (EP 2,443,833)	SK (EP 2,903,274)	SK (EP 3,297,283)
SK (EP 2,452,493)	SK (EP 2,903,279)	SK (EP 3,297,284)
SK (EP 2,452,494)	SK (EP 2,905,962)	SK (EP 3,300,365)
SK (EP 2,471,266)	SK (EP 2,908,525)	SK (EP 3,300,371)
SK (EP 2,489,186)	SK (EP 2,911,398)	SK (EP 3,313,076)
SK (EP 2,510,698)	SK (EP 2,911,399)	SK (EP 3,322,183)
SK (EP 2,545,710)	SK (EP 2,911,400)	SK (EP 3,361,732)
SK (EP 2545713)	SK (EP 2,911,401)	SK (EP 3,361,733)
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SK (EP 2,608,539)	SK (EP 2,940,996)	SK (EP 3,435,675)
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SK (EP 2,677,753)	SK (EP 2,953,356)	SM (EP 2545713)
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SK (EP 2712200)	SK (EP 2,955,918)	SM (EP 2,629,528)
SK (EP 2713617)	SK (EP 2,986,003)	SM (EP 2,640,076)
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SK (EP 2804383)	SK (EP 2,996,340)	SM (EP 2713617)
SK (EP 2,811,745)	SK (EP 2,996,341)	SM (EP 2,713,618)
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SK (EP 2,838,270)	SK (EP 2,999,226)	TR (EP 2,452,493)
SK (EP 2,840,789)	SK (EP 2,999,227)	TR (EP 2,452,494)
SK (EP 2,854,398)	SK (EP 3,032,829)	TR (EP 2,471,266)
SK (EP 2,858,366)	SK (EP 3,059,708)	TR (EP 2,489,186)
SK (EP 2,860,980)	SK (EP 3,101,900)	TR (EP 2,510,698)
SK (EP 2,863,639)	SK (EP 3,101,901)	TR (EP 2,545,710)
SK (EP 2,866,442)	SK (EP 3,104,616)	TR (EP 2545713)
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SK (EP 2,890,123)	SK (EP 3,166,317)	TR (EP 2,629,526)
SK (EP 2,897,364)	SK (EP 3,232,664)	TR (EP 2,629,527)

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TR (EP 2,950,532)	TW I429291	US 8,811,479

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US 8,824,549	US 9,118,915	US 9,313,520
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US 8,831,097	US 9,118,926	US 9,313,522
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US 8,837,590	US 9,124,887	US 9,319,689
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US 8,842,734	US 9,124,893	US 9,332,273
US 8,842,921	US 9,124,894	US 9,350,997
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US 8,879,626	US 9,137,534	US 9,374,579
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KR 1,543,323	KR 1,830,352	US 8,976,863
KR 1,544,379	KR 1,834,541	US 9,070,179
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KR 1,557,374	KR 1,874,840	US 9,118,921
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KR 1,575,605	KR 1,960,761	US 9,215,462
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KR 1,575,634	KR 1,997,604	US 9,264,716
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Addendum of HEVC Licensors' Patents Removed from HEVC Attachment 1

Each patent listed below was previously listed on the Attachment 1 and has now been deleted effective as of the date listed next to the removed patent. Those Licensees with an HEVC Patent Portfolio License in effect *on or prior to* the date of removal indicated next to each patent retain their license under the respective removed patent after the indicated removal date.

Fujitsu Limited

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Koninklijke KPN N.V.

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Addendum of Patents of Terminated VVC Licensors

Addendum of Patents of Terminated VVC Licensors

The following listed patents were contributed to the VVC Patent Portfolio by an entity that has since terminated as a Licensor. For as long as they continue to be a Licensee, those Licensees with a license in effect prior to the date of such Licensor's termination retain their license to such Licensor's VVC Patent Portfolio patents (including those listed below) that the Licensor or its Affiliates had the right to license or sublicense prior to the date of such Licensor's termination.

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