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Fujitsu Limited

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ID P000063928	IN 366166	IS (EP 2,752,005)
ID P000063948	IN 366888	IS (EP 2,752,006)
ID P000066406	IN 368779	IS (EP 2,773,117)
ID P000066566	IN 372062	IS (EP 2,773,118)
ID P000069125	IN 376764	IS (EP 2,774,120)
ID P000071599	IN 378567	IS (EP 2,774,122)
ID P000071600	IN 394296	IS (EP 2,774,374)
ID P000075435	IN 398813	IS (EP 2,786,577)
ID P000075436	IN 408802	IS (EP 2,950,535)
ID P000075881	IN 411919	IT (EP 2,752,004)
ID P000077878	IN 416497	IT (EP 2,752,005)
ID P000077883	IN 419043	IT (EP 2,752,006)
ID P000077889	IN 422987	IT (EP 2,773,117)
ID P000078301	IN 430269	IT (EP 2,773,118)
ID P000080594	IN 430557	IT (EP 2,774,120)
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IE (EP 2,752,005)	IN 436945	IT (EP 2,774,374)
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IE (EP 2,950,535)	IN 475540	IT (EP 2,945,381)
IL 231705	IN 479873	IT (EP 2,950,535)
IL 231706	IN 479888	IT (EP 3,276,963)
IL 231707	IN 505544	IT (EP 3,343,915)
IL 231,708	IN 505562	IT (EP 3,346,447)
IL 239725	IN 506985	IT (EP 3,402,191)
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IT (EP 3,448,033)	JP 6,047,614	JP 6,974,516
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IT (EP 3,829,174)	JP 6,074,475	KR 1,452,195
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JP 5,611,498	JP 6,093,815	LI (EP 2,773,117)
JP 5,714,781	JP 6,101,316	LI (EP 2,773,118)
JP 5,722,506	JP 6,101,752	LI (EP 2,774,120)
JP 5,728,671	JP 6,101,753	LI (EP 2,774,122)
JP 5,731,078	JP 6,101,754	LI (EP 2,774,374)
JP 5,750,579	JP 6,101,755	LI (EP 2,786,577)
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JP 5,789,343	JP 6,114,362	LI (EP 2,941,004)
JP 5,792,396	JP 6,116,625	LI (EP 2,942,954)
JP 5,823,628	JP 6,116,626	LI (EP 2,942,956)
JP 5,827,412	JP 6,118,374	LI (EP 2,945,376)
JP 5,828,967	JP 6,138,883	LI (EP 2,945,380)
JP 5,830,175	JP 6,138,884	LI (EP 2,945,381)
JP 5,832,660	JP 6,138,885	LI (EP 2,950,535)
JP 5,841,264	JP 6,140,237	LI (EP 3,276,963)
JP 5,846,666	JP 6,157,676	LI (EP 3,343,915)
JP 5,846,674	JP 6,267,373	LI (EP 3,346,447)
JP 5,846,675	JP 6,275,897	LI (EP 3,402,191)
JP 5,846,676	JP 6,285,484	LI (EP 3,402,199)
JP 5,905,613	JP 6,285,485	LI (EP 3,402,200)
JP 5,914,680	JP 6,285,486	LI (EP 3,402,201)
JP 5,923,618	JP 6,285,487	LI (EP 3,402,202)
JP 5,989,838	JP 6,302,577	LI (EP 3,448,033)
JP 5,989,839	JP 6,335,984	LI (EP 3,448,034)
JP 5,989,840	JP 6,360,947	LI (EP 3,579,554)
JP 5,989,841	JP 6,419,230	LI (EP 3,579,555)
JP 5,990,299	JP 6,469,265	LI (EP 3,579,556)
JP 5,990,300	JP 6,505,763	LI (EP 3,829,172)
JP 6,005,790	JP 6,553,769	LI (EP 3,829,174)
JP 6,005,791	JP 6,607,417	LI (EP 3,829,175)
JP 6,005,792	JP 6,636,573	LI (EP 3,829,176)
JP 6,006,394	JP 6,648,315	LI (EP 3,843,392)
JP 6,006,395	JP 6,660,074	LI (EP 3,843,393)
JP 6,006,763	JP 6,680,925	LT (EP 2,752,004)
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LT (EP 2,786,577)	MX 334,414	MX 378476
LT (EP 2,950,535)	MX 334,421	MX 384,187
LU (EP 2,752,004)	MX 334,422	MX 403184
LU (EP 2,752,005)	MX 334,423	MX 407,247
LU (EP 2,752,006)	MX 334,866	MY 166250
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LU (EP 2,774,122)	MX 335,744	MY 190514
LU (EP 2,774,374)	MX 335,745	MY 190515
LU (EP 2,786,577)	MX 335,746	MY 190516
LU (EP 2,950,535)	MX 335,900	MY 190529
LU (EP 3,276,963)	MX 336,814	MY 190530
LU (EP 3,402,200)	MX 336,815	MY 192962
LU (EP 3,402,201)	MX 336,816	MY 192963
LU (EP 3,402,202)	MX 338,748	MY 192964
LU (EP 3,448,034)	MX 338,988	MY 192965
LU (EP 3,829,172)	MX 338,989	MY 192966
LU (EP 3,829,174)	MX 338,990	MY 195621
LU (EP 3,829,175)	MX 339,135	MY 195624
LU (EP 3,829,176)	MX 339,983	MY 195625
LU (EP 3,843,392)	MX 339,984	MY 195661
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LV (EP 2,752,004)	MX 340,367	MY 199142
LV (EP 2,752,005)	MX 340,368	MY 201095-A
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NL (EP 3,402,201)	PH 1-2016-502089	PT (EP 3,276,963)
NL (EP 3,402,202)	PH 1/2014/500961	PT (EP 3,402,200)
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NL (EP 3,829,176)	PL (EP 2,786,577)	PT (EP 3,843,393)
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PH 1-2015-500839	PT (EP 2,752,004)	RO (EP 3,579,554)
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RO (EP 3,843,393)	SE (EP 3,276,963)	SK (EP 2,752,006)
RS (EP 2,752,004)	SE (EP 3,343,915)	SK (EP 2,773,117)
RS (EP 2,752,005)	SE (EP 3,346,447)	SK (EP 2,773,118)
RS (EP 2,752,006)	SE (EP 3,402,191)	SK (EP 2,774,120)
RS (EP 2,773,117)	SE (EP 3,402,199)	SK (EP 2,774,122)
RS (EP 2,773,118)	SE (EP 3,402,200)	SK (EP 2,774,374)
RS (EP 2,774,120)	SE (EP 3,402,201)	SK (EP 2,786,577)
RS (EP 2,774,122)	SE (EP 3,402,202)	SK (EP 2,916,545)
RS (EP 2,774,374)	SE (EP 3,448,033)	SK (EP 2,941,004)
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RS (EP 2,942,954)	SE (EP 3,579,554)	SK (EP 2,942,956)
RS (EP 2,950,535)	SE (EP 3,579,555)	SK (EP 2,945,376)
RU 2589866	SE (EP 3,579,556)	SK (EP 2,945,380)
RU 2601445	SE (EP 3,829,172)	SK (EP 2,945,381)
RU 2602986	SE (EP 3,829,174)	SK (EP 2,950,535)
RU 2604340	SE (EP 3,829,175)	SK (EP 3,276,963)
RU 2621966	SE (EP 3,829,176)	SK (EP 3,343,915)
RU 2621967	SE (EP 3,843,392)	SK (EP 3,346,447)
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RU 2621972	SG 10201503437R	SK (EP 3,402,199)
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RU 2,710,995	SG 10201600413T	SK (EP 3,448,034)
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RU 2,711,306	SG 10201607196U	SK (EP 3,829,172)
RU 2,711,467	SG 10201608492R	SK (EP 3,829,174)
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SE (EP 2,774,120)	SI (EP 2,752,004)	TR (EP 2,752,006)
SE (EP 2,774,122)	SI (EP 2,752,005)	TR (EP 2,773,117)
SE (EP 2,774,374)	SI (EP 2,752,006)	TR (EP 2,773,118)
SE (EP 2,786,577)	SI (EP 2,773,117)	TR (EP 2,774,120)
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TR (EP 2,950,535)	TW I611687	US 9,148,671
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TW I519132	TW I709334	US 9,392,284
TW I537881	TW I711297	US 9,392,287
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TW I558212	TW I791252	US 9,497,462
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TW I566583	TW I800752	US 9,503,726
TW I568244	TW I803958	US 9,503,758
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TW I571102	TW I809519	US 9,516,348
TW I571103	TW I809520	US 9,615,106
TW I571110	US 8,917,772	US 9,621,893
TW I572189	US 8,942,284	US 9,635,384
TW I572190	US 8,948,259	US 9,641,860
TW I572191	US 8,953,683	US 9,699,460
TW I575934	US 8,982,957	US 9,712,824
TW I581612	US 8,989,258	US 9,712,825
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TW I603610	US 9,020,031	US 9,813,712

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US 9,866,836	VN 19639	AU 2014202819
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US 9,912,949	VN 20796	BE (EP 2,563,020)
US 9,912,953	VN 20797	BE (EP 2,600,613)
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US 10,158,857	VN 21086	BE (EP 2,950,533)
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US 10,212,418	VN 21345	BE (EP 3,051,815)
US 10,313,671	VN 21544	BE (EP 3,059,953)
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US 10,375,390	VN 22602	BE (EP 3,125,552)
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US 10,523,942	VN 35038	BE (EP 3,197,160)
US 10,523,943	VN 36109	BE (EP 3,211,898)
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US 10,623,732	ZA 2016/00847	BE (EP 3,214,838)
US 10,630,984	ZA 2016/00848	BE (EP 3,958,559)
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US 10,778,970	ZA 2016/00850	BE (EP 3,958,562)
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US 10,939,109	<u>Hanwha Vision Co., Ltd.</u>	BR 112012026809-0
US 10,939,111		CA 2,797,047
US 11,089,322	IN 505054	CA 2,934,927
US 11,100,609	IN 524280	CA 2,934,930
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US 11,438,592	KR 2,512,179	CH (EP 2,563,020)
US 11,470,318	KR 2,525,555	CH (EP 2,600,613)
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US 11,729,388	US 10,764,584	CH (EP 2,947,878)
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SK Planet Co., Ltd.

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KR 1,626,757
US 10,334,271
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Tagivan II LLC

AT (EP 2,775,717)
AU 2012221587
AU 2012285242
AU 2012333936
AU 2016250508

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CZ (EP 3,413,567)	ES (EP 3,197,162)	HU (EP 2,736,253)
CZ (EP 3,598,753)	ES (EP 3,310,060)	HU (EP 2,775,717)
CZ (EP 3,598,754)	ES (EP 3,413,567)	HU (EP 3,174,298)
CZ (EP 3,599,766)	ES (EP 3,416,387)	HU (EP 3,174,299)
CZ (EP 3,614,670)	ES (EP 3,598,753)	HU (EP 3,197,162)
CZ (EP 3,661,201)	ES (EP 3,598,754)	HU (EP 3,310,060)
CZ (EP 3,849,198)	ES (EP 3,599,766)	HU (EP 3,413,567)

HU (EP 3,416,387)	JP 6,313,501	PL (EP 2,779,644)
HU (EP 3,598,753)	JP 6,346,346	PL (EP 3,139,617)
HU (EP 3,598,754)	JP 6,498,811	PL (EP 3,174,298)
HU (EP 3,599,766)	KR 1,954,461	PL (EP 3,174,299)
HU (EP 3,614,670)	KR 2,013,460	PL (EP 3,197,162)
HU (EP 3,661,201)	KR 2,023,210	PL (EP 3,310,060)
HU (EP 3,849,198)	KR 2,030,977	PL (EP 3,413,567)
HU (EP 3,849,199)	KR 2,049,308	PL (EP 3,416,387)
ID P000051542	KR 2,073,868	PL (EP 3,598,753)
IN 312,295	KR 2,090,722	PL (EP 3,598,754)
IN 392032	KR 2,107,643	PL (EP 3,599,766)
IT (EP 2,680,583)	KR 2,107,644	PL (EP 3,614,670)
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IT (EP 3,174,299)	LT (EP 3,174,299)	RU 2,610,249
IT (EP 3,197,162)	LT (EP 3,197,162)	RU 2,714,377
IT (EP 3,310,060)	LT (EP 3,310,060)	SG 187631
IT (EP 3,413,567)	LT (EP 3,413,567)	SG 192641
IT (EP 3,416,387)	LT (EP 3,416,387)	SG 195276
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IT (EP 3,598,754)	LT (EP 3,598,754)	SK (EP 2,736,253)
IT (EP 3,599,766)	LT (EP 3,599,766)	SK (EP 2,775,717)
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JP 5,342,069	MX 322,022	SK (EP 3,416,387)
JP 5,391,367	MX 327,619	SK (EP 3,598,753)
JP 5,405,690	MX 328,168	SK (EP 3,598,754)
JP 5,415,656	MX 329,313	SK (EP 3,599,766)
JP 5,422,773	MX 331,496	SK (EP 3,614,670)
JP 5,450,883	MY-164594-A	SK (EP 3,661,201)
JP 5,521,101	MY-165342-A	SK (EP 3,849,198)
JP 5,531,150	MY 165702-A	SK (EP 3,849,199)
JP 5,843,818	MY 176011-A	TH 72994
JP 5,970,441	NL (EP 2,775,717)	TR (EP 2,775,717)
JP 5,970,442	NL (EP 2,779,644)	TW I547149
JP 6,042,304	NL (EP 3,139,617)	TW I547152
JP 6,106,032	PH 1-2013-501675	TW I559734
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JP 6,158,649	PH 1-2013-502507	TW I562643
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JP 6,298,555	PL (EP 2,680,583)	TW I580247
JP 6,305,590	PL (EP 2,736,253)	TW I583184
JP 6,305,591	PL (EP 2,775,717)	TW I604717

TW I661713	FR (EP 2,080,275)
US 7,394,853	GB (EP 2,080,275)
US 8,155,200	JP 5,640,104
US 8,155,201	JP 5,697,332
US 8,213,510	JP 5,752,268
US 8,649,620	JP 5,769,740
US 8,781,001	JP 5,926,856
US 8,787,467	JP 6,026,443
US 8,804,823	JP 6,145,127
US 8,942,288	US 8,594,202
US 8,958,473	US 8,761,263
US 9,066,109	US 8,861,613
US 9,402,089	US 9,077,964
US 9,491,465	US 9,113,172
US 9,544,585	US 9,179,160
US 9,667,968	US 9,380,313
US 9,729,874	US 9,743,099
US 9,826,230	US 10,027,970
US 9,930,367	US 10,034,009
US 10,063,879	US 10,560,706
US 10,291,933	
US 10,334,280	
US 10,631,014	

Vidyo, Inc.

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AU 2012 226283
CA 2,633,819
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CA 2,763,089
CA 2,824,027
CA 2,829,290
CA 2,869,132
CN 101371312
CN 103314591
CN 103416002
CN 104205813
CN 105049894
CN 200780011497.5
CN 201710165116
DE (EP 2,080,275)

HEVC/VVC Licensors' Expired Patents**Fujitsu Limited**

US 7,310,372 - Exp. Jul 6, 2019

GENSQUARE LLC

AL (EP 2,945,376) - Exp. Jun 3, 2020
CY (EP 2,945,376) - Exp. Jun 3, 2020
DK (EP 2,945,376) - Exp. Jun 3, 2020
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
IS (EP 2,945,376) - Exp. Oct 3, 2020
LT (EP 2,945,376) - Exp. Jun 3, 2020
LU (EP 2,945,376) - Exp. Apr 20, 2021
LV (EP 2,945,376) - Exp. Jun 3, 2020
MC (EP 2,752,006) - Exp. Feb 17, 2021
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
MK (EP 2,945,376) - Exp. Jun 3, 2020
MT (EP 2,752,006) - Exp. Feb 17, 2021
MT (EP 2,773,118) - Exp. Sep 16, 2020
MT (EP 2,945,376) - Exp. Jun 3, 2020
MT (EP 2,950,535) - Exp. Jun 24, 2020
NO (EP 2,945,376) - Exp. Sep 3, 2020
PT (EP 2,945,376) - Exp. Oct 6, 2020
RS (EP 2,945,376) - Exp. Jun 3, 2020
SI (EP 2,945,376) - Exp. Jun 3, 2020
SM (EP 2,752,006) - Exp. Feb 17, 2021
SM (EP 2,773,118) - Exp. Sep 16, 2020
SM (EP 2,945,376) - Exp. Jun 3, 2020
SM (EP 2,950,535) - Exp. Jun 24, 2020

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
AL (EP 2,947,877) - Exp. Nov 1, 2023
AL (EP 2,947,878) - Exp. Nov 1, 2023
AL (EP 2,950,533) - Exp. Nov 1, 2023
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HR (EP 2,947,877) - Exp. Nov 1, 2023	IS (EP 2,600,613) - Exp. Jan 30, 2024	LU (EP 3,051,815) - Exp. Jan 30, 2024
HR (EP 2,947,878) - Exp. Nov 1, 2023	IS (EP 2,608,541) - Exp. Feb 13, 2024	LU (EP 3,059,953) - Exp. Jan 30, 2024
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HR (EP 2,950,534) - Exp. Nov 1, 2023	IS (EP 2,947,878) - Exp. Nov 1, 2023	LU (EP 3,059,960) - Exp. Jan 30, 2024
HR (EP 2,988,501) - Exp. Jan 29, 2018	IS (EP 2,950,533) - Exp. Nov 1, 2023	LU (EP 3,125,552) - Exp. Feb 13, 2024
HR (EP 3,051,815) - Exp. Jan 30, 2024	IS (EP 2,950,534) - Exp. Nov 1, 2023	LU (EP 3,125,553) - Exp. Feb 13, 2024
HR (EP 3,059,953) - Exp. Jan 30, 2024	IS (EP 2,988,501) - Exp. Jan 30, 2024	LU (EP 3,125,555) - Exp. Feb 13, 2024
HR (EP 3,059,956) - Exp. Jan 30, 2024	IS (EP 3,051,815) - Exp. Jan 30, 2024	LU (EP 3,125,561) - Exp. Feb 13, 2024
HR (EP 3,059,960) - Exp. Jan 30, 2024	IS (EP 3,059,953) - Exp. Jan 30, 2024	LU (EP 3,145,188) - Exp. Feb 13, 2024
HR (EP 3,125,552) - Exp. Feb 13, 2024	IS (EP 3,059,956) - Exp. Jan 30, 2024	LU (EP 3,197,160) - Exp. Jan 30, 2024
HR (EP 3,125,553) - Exp. Feb 13, 2024	IS (EP 3,059,960) - Exp. Jan 30, 2024	LU (EP 3,211,898) - Exp. Jan 30, 2024
HR (EP 3,125,555) - Exp. Feb 13, 2024	IS (EP 3,125,552) - Exp. Feb 13, 2024	LU (EP 3,211,899) - Exp. Jan 30, 2024
HR (EP 3,125,561) - Exp. Feb 13, 2024	IS (EP 3,125,553) - Exp. Feb 13, 2024	LU (EP 3,214,838) - Exp. Jan 30, 2024
HR (EP 3,211,898) - Exp. Jan 30, 2024	IS (EP 3,125,555) - Exp. Feb 13, 2024	LV (EP 2,563,020) - Exp. Nov 1, 2023
HR (EP 3,211,899) - Exp. Jan 30, 2024	IS (EP 3,125,561) - Exp. Feb 13, 2024	LV (EP 2,600,613) - Exp. Jan 30, 2024
HR (EP 3,214,838) - Exp. Jan 30, 2024	IS (EP 3,145,188) - Exp. Feb 13, 2024	LV (EP 2,608,541) - Exp. Feb 13, 2024
HU (EP 2,947,877) - Exp. Nov 1, 2023	IS (EP 3,197,160) - Exp. Jan 30, 2024	LV (EP 2,947,877) - Exp. Nov 1, 2023
HU (EP 2,947,878) - Exp. Nov 1, 2023	IS (EP 3,211,898) - Exp. Jan 30, 2024	LV (EP 2,947,878) - Exp. Nov 1, 2023
HU (EP 2,950,533) - Exp. Nov 1, 2023	IS (EP 3,211,899) - Exp. Jan 30, 2024	LV (EP 2,950,533) - Exp. Nov 1, 2023
HU (EP 2,950,534) - Exp. Nov 1, 2023	IS (EP 3,214,838) - Exp. Jan 30, 2024	LV (EP 2,950,534) - Exp. Nov 1, 2023
HU (EP 3,051,815) - Exp. Jan 30, 2024	LT (EP 2,563,020) - Exp. Nov 1, 2023	LV (EP 2,988,501) - Exp. Jan 30, 2024
HU (EP 3,059,953) - Exp. Jan 30, 2024	LT (EP 2,600,613) - Exp. Jan 30, 2024	LV (EP 3,051,815) - Exp. Jan 30, 2024
HU (EP 3,059,956) - Exp. Jan 30, 2024	LT (EP 2,608,541) - Exp. Feb 13, 2024	LV (EP 3,059,953) - Exp. Jan 30, 2024
HU (EP 3,059,960) - Exp. Jan 30, 2024	LT (EP 2,947,877) - Exp. Nov 1, 2023	LV (EP 3,059,956) - Exp. Jan 30, 2024
HU (EP 3,125,552) - Exp. Feb 13, 2024	LT (EP 2,947,878) - Exp. Nov 1, 2023	LV (EP 3,059,960) - Exp. Jan 30, 2024
HU (EP 3,125,553) - Exp. Feb 13, 2024	LT (EP 2,950,533) - Exp. Nov 1, 2023	LV (EP 3,125,552) - Exp. Feb 13, 2024
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HU (EP 3,125,561) - Exp. Feb 13, 2024	LT (EP 2,988,501) - Exp. Jan 30, 2024	LV (EP 3,125,555) - Exp. Feb 13, 2024
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SM (EP 3,197,160) - Exp. Jan 30, 2024
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CN 100542291 - Exp. Apr 9, 2023
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JP 5,167,233 - Exp. Apr 8, 2023
KR 947,689 - Exp. Apr 10, 2023
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NL (EP 1,499,133) - Exp. Apr 10, 2023
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TR (EP 1,499,133) - Exp. Apr 10, 2023
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Alpha Digitech, Inc.

KR 1,226,498

Apple Inc.

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**ARRIS Enterprises, LLC, a
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BR 112016015643-9
US 10,341,685
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US 11,343,540
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Canon Inc.

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GR (EP 4,075,802)	HU (EP 3,806,466)	IT (EP 2,664,147)
HR (EP 3,518,540)	HU (EP 3,806,468)	IT (EP 2,666,294)
HR (EP 3,745,723)	HU (EP 3,806,469)	IT (EP 2,684,362)
HR (EP 3,806,464)	HU (EP 3,806,470)	IT (EP 2,684,368)
HR (EP 3,806,465)	HU (EP 3,905,679)	IT (EP 2,745,515)
HR (EP 3,806,466)	HU (EP 3,972,248)	IT (EP 2,777,253)
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IT (EP 4,075,802)	JP 6,748,749	KR 1,930,669
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JP 5,847,844	JP 6,766,210	KR 1,969,359
JP 5,847,845	JP 6,766,211	KR 1,969,362
JP 5,875,236	JP 6,780,080	KR 1,972,366
JP 6,041,554	JP 6,797,989	KR 1,985,004
JP 6,067,024	JP 6,797,993	KR 1,991,074

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KR 2,029,614	LI (EP 3,737,095)	NL (EP 3,668,095)
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KR 2,030,952	LI (EP 3,742,731)	NL (EP 3,737,095)
KR 2,038,791	LI (EP 3,745,723)	NL (EP 3,737,096)
KR 2,041,744	LI (EP 3,806,464)	NL (EP 3,742,731)
KR 2,042,374	LI (EP 3,806,465)	NL (EP 3,745,723)
KR 2,043,579	LI (EP 3,806,466)	NL (EP 3,806,464)
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KR 2,043,581	LI (EP 3,806,469)	NL (EP 3,806,466)
KR 2,052,290	LI (EP 3,806,470)	NL (EP 3,806,468)
KR 2,052,291	LI (EP 3,905,679)	NL (EP 3,806,469)
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KR 2,068,431	LI (EP 3,972,249)	NL (EP 3,905,679)
KR 2,068,432	LI (EP 3,979,643)	NL (EP 3,972,248)
KR 2,068,921	LI (EP 4,075,801)	NL (EP 3,972,249)
KR 2,083,280	LI (EP 4,075,802)	NL (EP 3,979,643)
KR 2,085,498	NL (EP 2,664,142)	NL (EP 4,075,801)
KR 2,086,310	NL (EP 2,664,147)	NL (EP 4,075,802)
KR 2,090,437	NL (EP 2,666,294)	NO (EP 3,518,540)
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LI (EP 2,664,147)	NL (EP 2,684,368)	NO (EP 3,806,464)
LI (EP 2,745,515)	NL (EP 2,745,515)	NO (EP 3,806,465)
LI (EP 2,777,264)	NL (EP 2,777,253)	NO (EP 3,806,466)
LI (EP 2,777,275)	NL (EP 2,777,255)	NO (EP 3,806,468)
LI (EP 2,805,485)	NL (EP 2,777,264)	NO (EP 3,806,469)
LI (EP 2,805,507)	NL (EP 2,777,275)	NO (EP 3,806,470)
LI (EP 3,070,944)	NL (EP 2,805,485)	NO (EP 3,972,248)
LI (EP 3,099,070)	NL (EP 2,805,507)	NO (EP 3,972,249)
LI (EP 3,174,297)	NL (EP 3,070,944)	NO (EP 3,979,643)
LI (EP 3,244,613)	NL (EP 3,099,070)	NO (EP 4,075,801)
LI (EP 3,247,117)	NL (EP 3,174,297)	NO (EP 4,075,802)
LI (EP 3,253,060)	NL (EP 3,244,613)	PL (EP 2,664,147)
LI (EP 3,288,264)	NL (EP 3,247,117)	PL (EP 2,745,515)
LI (EP 3,396,957)	NL (EP 3,253,060)	PL (EP 2,777,264)
LI (EP 3,422,712)	NL (EP 3,288,264)	PL (EP 2,777,275)
LI (EP 3,422,713)	NL (EP 3,396,957)	PL (EP 2,805,485)
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LI (EP 3,654,648)	NL (EP 3,518,544)	PL (EP 3,253,060)
LI (EP 3,657,790)	NL (EP 3,609,180)	PL (EP 3,288,264)
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LI (EP 3,668,094)	NL (EP 3,657,791)	PL (EP 3,422,713)
LI (EP 3,668,095)	NL (EP 3,657,792)	PL (EP 3,474,552)

PL (EP 3,499,893)	RO (EP 3,174,297)	RS (EP 4,075,802)
PL (EP 3,512,199)	RO (EP 3,244,613)	SE (EP 2,664,147)
PL (EP 3,518,540)	RO (EP 3,247,117)	SE (EP 2,684,362)
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PL (EP 3,609,180)	RO (EP 3,288,264)	SE (EP 2,777,253)
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PL (EP 3,737,095)	RO (EP 3,518,544)	SE (EP 3,174,297)
PL (EP 3,737,096)	RO (EP 3,609,180)	SE (EP 3,244,613)
PL (EP 3,742,731)	RO (EP 3,654,648)	SE (EP 3,247,117)
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PL (EP 3,806,470)	RO (EP 3,737,095)	SE (EP 3,499,893)
PL (EP 3,905,679)	RO (EP 3,737,096)	SE (EP 3,512,199)
PL (EP 3,972,248)	RO (EP 3,742,731)	SE (EP 3,518,540)
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PL (EP 4,075,801)	RO (EP 3,806,465)	SE (EP 3,654,648)
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PT (EP 3,518,540)	RO (EP 3,806,468)	SE (EP 3,657,791)
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PT (EP 3,806,464)	RO (EP 3,806,470)	SE (EP 3,668,094)
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PT (EP 3,979,643)	RS (EP 3,745,723)	SE (EP 3,806,465)
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PT (EP 4,075,802)	RS (EP 3,806,465)	SE (EP 3,806,468)
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RO (EP 2,745,515)	RS (EP 3,806,468)	SE (EP 3,806,470)
RO (EP 2,777,264)	RS (EP 3,806,469)	SE (EP 3,905,679)
RO (EP 2,777,275)	RS (EP 3,806,470)	SE (EP 3,972,248)
RO (EP 2,805,485)	RS (EP 3,972,248)	SE (EP 3,972,249)
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Digital Insights Inc.

KR 1,618,117
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Funai Electric Co., Ltd.

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Hangzhou Boyun Technology Co., Ltd.

CN 104012094
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CN 104883568
CN 104967847
HK 1,199,588
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Hangzhou Hikvision Digital Technology Co., Ltd.

KR 1,388,469
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HUMAX Co., Ltd.

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IBEX PT Holdings

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JP 6,254,668	ES (EP 3,402,197)	KR 1,713,295
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MX 337,284	GB (EP 2,608,540)	KR 1,825,726
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MX 351,933	GB (EP 3,402,197)	KR 2,003,051
MX 365,013	HU (EP 3,402,194)	NL (EP 2,608,540)
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MX 371,772	HU (EP 3,402,196)	PL (EP 3,402,195)
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US 9,445,127	IT (EP 3,402,195)	RU 2,676,241
US 9,615,110	IT (EP 3,402,196)	RU 2,694,442
US 9,788,016	IT (EP 3,402,197)	RU 2,697,929
US 9,800,887	JP 5,664,584	SE (EP 2,608,540)
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US 10,123,033	JP 6,128,264	SK (EP 3,402,197)
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	JP 6,256,565	TR (EP 3,402,195)
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US 10,616,594
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Industry-Academy Cooperation
Foundation of Sejong University

JP 5,128,945
KR 882,949
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Korea Electronics Technology
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KT Corp.

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CN 201280061789.0	ES 2,597,459	GB 2,561,487
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CN 201710909575.9	GB 2,551,088	ID P000065183

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IN 402955	KR 1,508,895	MX 341,051
IN 405830	KR 1,520,369	MX 341,932
IN 408109	KR 1,533,720	MX 345,648
IN 412478	KR 1,539,107	MX 346,769
IN 413972	KR 1,539,108	MX 349,891
IN 416762	KR 1,539,109	MX 351,041
IN 450407	KR 1,539,110	MX 351,052
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IN 509487	KR 1,552,631	MX 352,017
IN 527814	KR 1,552,632	MX 353,198
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RU 2593991	RU 2,719,375	US 9,749,640
RU 2595587	RU 2,719,377	US 9,756,341
RU 2600547	RU 2,719,379	US 9,826,251
RU 2602834	RU 2,719,386	US 9,832,464
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RU 2619199	SE 538787	US 9,930,359
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RU 2623905	SE 539,969	US 10,057,575
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RU 2,626,013	SE 542,454	US 10,165,294
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RU 2,628,153	SE 542,456	US 10,182,237
RU 2,628,154	SE 542,569	US 10,264,283
RU 2,628,157	TR 1,990,272	US 10,313,667
RU 2,628,160	US 9,154,803	US 10,419,759
RU 2,628,161	US 9,225,990	US 10,523,967
RU 2,635,235	US 9,253,498	US 10,575,015
RU 2,636,117	US 9,253,499	US 10,805,639
RU 2,636,118	US 9,288,503	US 11,089,333
RU 2,643,573	US 9,294,773	UZ IAP 05827
RU 2,646,307	US 9,294,774	UZ IAP 05828
RU 2,646,308	US 9,294,775	UZ IAP 05931
RU 2,646,384	US 9,300,973	UZ IAP 06124
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VN 20833	VN 29409	JP 5,864,022
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VN 20836	VN 29412	JP 5,868,909
VN 20837	VN 29413	JP 5,882,416
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VN 22739	VN 29713	JP 6,117,302
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VN 23168	VN 29716	PL (EP 3,038,362)
VN 24104	VN 29743	TR (EP 3,038,362)
VN 24130	VN 29744	US 8,923,387
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VN 25745		US 9,706,202
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VN 27131		US 9,906,808
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Massachusetts Institute of Technology

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Maxell, Ltd.

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July 8, 2024

HEVC Licensors Attachment 1

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REEE LLC

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Sky Media Tech. Inc.

KR 1,827,939

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**SungKyunKwan University
Research & Business Foundation**

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July 8, 2024

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 presently or in the future has the right to license or sublicense (without payment to any third party which is not an Affiliate), including on or after such termination date.

**B1 Institute of Image
Technology, INC. (terminated
January 25, 2024)**

CN 110024407B
CN 113873260
CN 113873261
CN 113873262
CN 113891096
CN 114143550
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CN 114554202
HK 40073014
IN 433636
JP 7,201,776
JP 7,269,455
KR 2,224,668
US 11,165,958
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AL (EP 2,806,637)
AL (EP 3,448,035)
AL (EP 3,767,952)
AT (EP 2,672,708)
AT (EP 2,806,637)
AT (EP 2,840,788)
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AT (EP 3,448,035)
AT (EP 3,767,952)
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BE (EP 3,223,522)
BE (EP 3,343,920)
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CN 108924570	DK (EP 2,806,637)	GB (EP 2,840,788)
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CN 109194958	DK (EP 3,217,665)	GB (EP 2,941,002)
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CN 111064966	DK (EP 3,767,952)	GB (EP 3,086,555)
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CN 111131838	EE (EP 2,806,637)	GB (EP 3,223,522)
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CN 201080057535.2	EE (EP 3,767,952)	GB (EP 3,346,705)
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CN 201280058538.7	ES (EP 2,757,791)	GB (EP 3,346,707)
CN 201310333124.7	ES (EP 2,806,637)	GB (EP 3,346,708)
CN 201310334175.1	ES (EP 2,840,788)	GB (EP 3,448,035)
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CN 201410069596.0	ES (EP 3,346,706)	GB (EP 3,968,640)
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DE (EP 3,968,641)	GB (EP 2,723,078)	ID P000083513
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IE (EP 3,346,705)	JP 6,495,359	KR 1,451,921
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IN 376718	JP 6,556,903	KR 1,488,493
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JP 5,674,752	JP 6,874,032	KR 1,627,085
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JP 5,976,793	JP 7,138,754	KR 1,673,291
JP 5,982,421	KR 1,095,938	KR 1,678,408
JP 6,005,762	KR 1,196,920	KR 1,678,409
JP 6,101,709	KR 1,234,008	KR 1,691,901
JP 6,140,269	KR 1,277,093	KR 1,691,902
JP 6,163,229	KR 1,356,450	KR 1,691,978
JP 6,163,230	KR 1,366,649	KR 1,697,153
JP 6,163,574	KR 1,366,650	KR 1,697,154
JP 6,163,575	KR 1,378,861	KR 1,710,994
JP 6,163,576	KR 1,378,899	KR 1,719,344
JP 6,186,026	KR 1,423,735	KR 1,719,345
JP 6,203,878	KR 1,425,180	KR 1,719,346
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KR 1,791,076	KR 2,020,838	LI (EP 3,968,641)
KR 1,822,474	KR 2,028,104	LT (EP 2,806,637)
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KR 1,853,635	KR 2,100,700	LU (EP 2,806,637)
KR 1,854,640	KR 2,104,582	LU (EP 2,840,788)
KR 1,868,121	KR 2,104,583	LU (EP 3,343,920)
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KR 1,875,206	KR 2,107,091	LU (EP 3,448,035)
KR 1,885,772	KR 2,112,264	LU (EP 3,767,952)
KR 1,894,557	KR 2,115,318	LU (EP 3,968,639)
KR 1,904,234	KR 2,140,331	LU (EP 3,968,640)
KR 1,904,237	KR 2,143,512	LU (EP 3,968,641)
KR 1,904,242	KR 2,168,471	LV (EP 2,806,637)
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KR 1,952,184	KR 2,337,652	MO J/004124
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KR 1,971,077	KR 2,403,965	MO J/004175
KR 1,973,559	KR 2,404,417	MO J/004255
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KR 1,973,568	LI (EP 2,672,708)	MO J/005135
KR 1,973,571	LI (EP 2,723,078)	MO J/005263
KR 1,977,740	LI (EP 2,806,637)	MO J/005265
KR 1,977,741	LI (EP 2,840,788)	MO J/005290
KR 1,979,681	LI (EP 2,840,791)	MO J/005367
KR 1,995,908	LI (EP 3,217,665)	MO J/005387
KR 1,995,915	LI (EP 3,343,920)	MO J/005443
KR 1,998,390	LI (EP 3,346,705)	MO J/005476

MO J/005480	RS (EP 3,767,952)	US 9,270,990
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RO (EP 2,806,637)	US 9,143,798	US 10,326,997
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**Electronics and
Telecommunications Research
Institute and Korea Advanced
Institute of Science and
Technology (KAIST)
(terminated January 2, 2020)**

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CN 106131577
CN 201180058404
CN 201610648937.9
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PL (EP 2,627,085)
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US 10,110,912
US 10,560,709
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**Electronics and
Telecommunications Research
Institute and Kwangwoon
University Industry - Academic
Collaboration Foundation
(terminated January 2, 2020)**

KR 2,071,665
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**Electronics and
Telecommunications Research
Institute and University-
Industry Cooperation
Foundation of Korea Aerospace
University (terminated January
2, 2020)**

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CA 2,849,004
CH (EP 3,258,692)
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CN 108377395
CN 108391124
CN 108391138
CN 201280056452.0
DE (EP 3,258,692)
DK (EP 3,258,692)
FR (EP 3,258,692)

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Institute and University-
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(terminated January 2, 2020)**

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**Electronics and
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(terminated January 2, 2020)**

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(terminated January 2, 2020)**

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JVCKENWOOD Corporation
(terminated March 30, 2023)

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AU 2013247974

AU 2014245686

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

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IE (EP 3,833,024)	JP 5,617,990	JP 5,725,121
IE (EP 3,910,945)	JP 5,633,597	JP 5,737,381
IN 307,236	JP 5,644,701	JP 5,737,382
IN 322,135	JP 5,644,886	JP 5,737,383
IN 334850	JP 5,664,638	JP 5,737,384
IN 371698	JP 5,664,681	JP 5,747,816
IN 386660	JP 5,664,682	JP 5,776,711
IN 416496	JP 5,664,683	JP 5,776,712
IN 422423	JP 5,664,684	JP 5,776,713
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IT (EP 3,515,079)	JP 5,682,582	JP 5,835,522
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IT (EP 3,697,092)	JP 5,692,260	JP 5,839,094
IT (EP 3,703,370)	JP 5,692,261	JP 5,839,101
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IT (EP 3,716,621)	JP 5,692,263	JP 5,839,141
IT (EP 3,754,988)	JP 5,696,683	JP 5,839,142
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IT (EP 3,910,947)	JP 5,696,760	JP 5,843,039
JP 5,246,303	JP 5,720,751	JP 5,843,040
JP 5,252,029	JP 5,725,006	JP 5,843,041
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JP 5,402,995	JP 5,725,103	JP 5,846,132
JP 5,477,340	JP 5,725,104	JP 5,846,133
JP 5,477,343	JP 5,725,105	JP 5,846,327
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JP 5,561,348	JP 5,725,107	JP 5,846,329
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JP 5,858,109	JP 6,020,761	JP 6,315,136
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JP 5,858,112	JP 6,036,965	JP 6,376,260
JP 5,858,191	JP 6,036,974	JP 6,418,300
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JP 5,858,193	JP 6,036,976	JP 6,443,570
JP 5,858,194	JP 6,036,977	JP 6,620,867
JP 5,862,821	JP 6,064,580	JP 6,644,270
JP 5,862,822	JP 6,064,581	JP 6,798,598
JP 5,862,823	JP 6,070,872	KR 1,571,947
JP 5,862,824	JP 6,070,873	KR 1,588,143
JP 5,874,790	JP 6,070,874	KR 1,589,388
JP 5,874,791	JP 6,070,875	KR 1,590,733
JP 5,874,792	JP 6,079,918	KR 1,598,306
JP 5,874,793	JP 6,079,919	KR 1,617,974
JP 5,880,613	JP 6,090,487	KR 1,637,142
JP 5,884,697	JP 6,090,488	KR 1,640,357
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JP 5,884,937	JP 6,090,516	KR 1,672,662
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JP 5,884,941	JP 6,094,658	KR 1,681,011
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JP 5,900,307	JP 6,119,944	KR 1,729,463
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JP 5,935,959	JP 6,135,802	KR 1,744,468
JP 5,942,782	JP 6,135,803	KR 1,777,097
JP 5,958,165	JP 6,179,633	KR 1,809,879
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JP 5,962,876	JP 6,183,510	KR 1,809,881
JP 5,962,877	JP 6,183,511	KR 1,832,682
JP 5,975,146	JP 6,183,512	KR 1,842,851
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JP 5,979,191	JP 6,252,654	KR 2,279,115
JP 5,979,192	JP 6,252,663	KR 2,365,353
JP 5,987,767	JP 6,252,664	KR 2,464,103
JP 5,987,768	JP 6,264,476	LI (EP 2,717,574)
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JP 6,004,136	JP 6,274,338	LI (EP 2,838,260)
JP 6,004,137	JP 6,315,133	LI (EP 2,838,261)
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LI (EP 3,416,383)	MY-177865-A	PE 001633-2014/DIN
LI (EP 3,416,384)	MY-183790-A	PE 001895-2019/DIN
LI (EP 3,416,385)	NG/PT/C/2014/627	PH 1-2014-502137
LI (EP 3,419,289)	NG/PT/C/2015/1215	PH 1-2017-500788
LI (EP 3,419,290)	NG/PT/C/2015/1217	PH 1-2017-500789
LI (EP 3,422,714)	NG/PT/C/2015/1218	PH 1-2017-500790
LI (EP 3,503,554)	NG/PT/C/2015/1219	PH 1-2017-500791
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LI (EP 3,515,080)	NL (EP 2,838,261)	PL (EP 2,838,261)
LI (EP 3,654,651)	NL (EP 2,981,087)	PL (EP 2,981,087)
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LI (EP 3,697,091)	NL (EP 3,416,383)	PL (EP 3,416,383)
LI (EP 3,697,092)	NL (EP 3,416,384)	PL (EP 3,416,384)
LI (EP 3,703,370)	NL (EP 3,416,385)	PL (EP 3,416,385)
LI (EP 3,703,371)	NL (EP 3,419,289)	PL (EP 3,419,289)
LI (EP 3,716,621)	NL (EP 3,419,290)	PL (EP 3,419,290)
LI (EP 3,754,988)	NL (EP 3,422,714)	PL (EP 3,422,714)
LI (EP 3,833,022)	NL (EP 3,503,554)	PL (EP 3,503,554)
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LI (EP 3,910,945)	NL (EP 3,515,078)	PL (EP 3,515,078)
LI (EP 3,910,947)	NL (EP 3,515,079)	PL (EP 3,515,079)
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LT (EP 3,910,945)	NL (EP 3,697,090)	PL (EP 3,697,090)
LT (EP 3,910,947)	NL (EP 3,697,091)	PL (EP 3,697,091)
LU (EP 3,754,988)	NL (EP 3,697,092)	PL (EP 3,697,092)
LU (EP 3,833,024)	NL (EP 3,703,370)	PL (EP 3,703,370)
LU (EP 3,910,945)	NL (EP 3,703,371)	PL (EP 3,703,371)
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LV (EP 3,833,024)	NL (EP 3,833,022)	PL (EP 3,833,022)
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MX 346,521	NO (EP 3,697,092)	PT (EP 3,910,947)
MX 363,851	NO (EP 3,703,371)	RO (EP 2,717,574)
MX 386,960	NO (EP 3,716,621)	RO (EP 2,838,260)
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RU 2579665	RU 2,713,848	SI (EP 3,910,947)
RU 2582864	SE (EP 2,717,574)	SK (EP 2,717,574)
RU 2589297	SE (EP 2,793,467)	SK (EP 2,838,260)
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RU 2623796	SE (EP 3,503,554)	SK (EP 3,419,290)
RU 2628185	SE (EP 3,515,078)	SK (EP 3,422,714)
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RU 2630886	SE (EP 3,654,651)	SK (EP 3,515,073)
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VN 31603
VN 31610

**Korea Advanced Institute of
Science and Technology
(KAIST) and Korean
Broadcasting System (KBS)
(terminated January 2, 2020)**

CN 105959689
CN 105959690
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CN 201080014719.0

JP 6,164,600
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KR 951,301
KR 1,250,608
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US 9,485,512
US 9,838,719
US 9,838,720
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**KPIC Ltd. (terminated
September 5, 2021)**

KR 731,884

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

AU 2011333238
AU 2012226120
AU 2012277174
AU 2012282044
AU 2015200682
AU 2015200683
AU 2015202105
AU 2015252148
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AU 2016210774
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CA 2,819,014	CN 201710987197.6	FR (EP 3,057,323)
CA 2,829,034	CZ (EP 2,728,864)	FR (EP 3,264,764)
CA 2,834,193	CZ (EP 2,733,940)	FR (EP 3,264,765)
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**Nippon Telegraph and
Telephone Corporation
(terminated January 2, 2020)**

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**NTT DOCOMO, INC.
(terminated January 2, 2020)**

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MC (EP 2,271,114)	NL (EP 2,916,549)	PL (EP 2,988,500)
MX 318,034	NL (EP 2,934,008)	PL (EP 2,996,334)
MX 321,386	NL (EP 2,934,009)	PL (EP 3,177,019)
MX 322,447	NL (EP 2,938,076)	PL (EP 3,232,666)
MX 325,372	NL (EP 2,938,077)	PT (EP 1,408,698)
MX 325,675	NL (EP 2,938,078)	PT (EP 1,504,408)
MX 325,676	NL (EP 2,938,079)	PT (EP 1540962)
MX 328,163	NL (EP 2,938,082)	PT (EP 2,268,035)
MX 328,276	NL (EP 2,942,965)	PT (EP 2,268,037)
MX 330,228	NL (EP 2,988,500)	PT (EP 2,271,114)
MX 330,390	NL (EP 2,996,334)	PT (EP 2,549,758)
MX 330,730	NL (EP 3,177,019)	PT (EP 2,594,076)
MX 331,123	NL (EP 3,232,666)	PT (EP 2,656,507)
MX 335,139	NO (EP 2,268,037)	PT (EP 2,663,077)
MX 335,862	NO (EP 2,549,758)	PT (EP 2,770,737)
MX 336,539	NO (EP 2,594,076)	PT (EP 2,899,982)
MX 337,602	NO (EP 2,656,507)	PT (EP 2,916,549)
MX 337,791	NO (EP 2,663,077)	PT (EP 2,934,008)
MX 337,794	NO (EP 2,899,982)	PT (EP 2,934,009)
MX 337,948	NO (EP 2,916,549)	PT (EP 2,938,076)
MX 337,949	NO (EP 2,934,008)	PT (EP 2,938,077)
MX 338,236	NO (EP 2,934,009)	PT (EP 2,938,078)
MX 340,576	NO (EP 2,938,078)	PT (EP 2,938,079)
MX 341,365	NO (EP 2,938,082)	PT (EP 2,938,082)
MX 341,412	NO (EP 2,942,965)	PT (EP 2,942,965)

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PT (EP 2,996,334)	RU 2633139	SG 187094
PT (EP 3,177,019)	RU 2,635,885	SG 188501
PT (EP 3,232,666)	RU 2,639,662	SG 191,232
RO (EP 2,268,037)	RU 2,642,810	SG 191267
RO (EP 2,549,758)	RU 2643477	SG 191,754
RO (EP 2,594,076)	RU 2,643,504	SG 195,360
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RO (EP 2,934,008)	RU 2,654,202	SG 11201408757Y
RO (EP 2,934,009)	RU 2658798	SG 11201502234
RO (EP 2,938,076)	RU 2,658,880	SK (EP 2,268,037)
RO (EP 2,938,077)	RU 2,660,619	SK (EP 2,549,758)
RO (EP 2,938,078)	RU 2,664,389	SK (EP 2,594,076)
RO (EP 2,938,079)	RU 2667716	SK (EP 2,656,507)
RO (EP 2,938,082)	RU 2668719	SK (EP 2,663,077)
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RO (EP 2,996,334)	RU 2674928	SK (EP 2,916,549)
RO (EP 3,177,019)	RU 2676411	SK (EP 2,934,008)
RO (EP 3,232,666)	SE (EP 1,408,698)	SK (EP 2,934,009)
RU 2549170	SE (EP 1,504,408)	SK (EP 2,938,076)
RU 2562762	SE (EP 1540962)	SK (EP 2,938,077)
RU 2566959	SE (EP 2,268,035)	SK (EP 2,938,078)
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RU 2573208	SE (EP 2,271,114)	SK (EP 2,942,965)
RU 2579947	SE (EP 2,549,758)	SK (EP 2,988,500)
RU 2580090	SE (EP 2,594,076)	SK (EP 2,996,334)
RU 2580942	SE (EP 2,656,507)	SK (EP 3,177,019)
RU 2,584,546	SE (EP 2,663,077)	SK (EP 3,232,666)
RU 2586592	SE (EP 2,770,737)	TH 61561
RU 2600536	SE (EP 2,899,982)	TH 63703
RU 2,601,134	SE (EP 2,916,549)	TH 65482
RU 2601196	SE (EP 2,934,008)	TH 65934
RU 2,602,978	SE (EP 2,934,009)	TH 68701
RU 2,602,980	SE (EP 2,938,076)	TR (EP 1,408,698)
RU 2607261	SE (EP 2,938,077)	TR (EP 1,504,408)
RU 2613722	SE (EP 2,938,078)	TR (EP 1540962)
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RU 2615676	SE (EP 2,942,965)	TR (EP 2,268,037)
RU 2,619,202	SE (EP 2,988,500)	TR (EP 2,271,114)
RU 2621009	SE (EP 2,996,334)	TR (EP 2,549,758)
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TR (EP 2,770,737)	TW I621352	US 10,063,888
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TR (EP 2,916,549)	TW I626844	US 10,075,724
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TR (EP 2,934,009)	US 6,825,782	US 10,104,393
TR (EP 2,938,076)	US 6,850,175	US 10,110,918
TR (EP 2,938,077)	US 6,967,601	US 10,116,956
TR (EP 2,938,078)	US 7,183,951	US 10,116,960
TR (EP 2,938,079)	US 7,190,289	US 10,123,042
TR (EP 2,938,082)	US 7,298,303	US 10,154,280
TR (EP 2,942,965)	US 7,346,216	US 10,158,871
TR (EP 2,988,500)	US 7,474,699	US 10,165,271
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TW I225,360	US 8,873,874	US 10,205,960
TW I232,682	US 8,964,846	US 10,205,963
TW I244856	US 9,031,125	US 10,230,987
TW I469646	US 9,113,171	US 10,257,533
TW I479895	US 9,185,409	US 10,257,534
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TW I513280	US 9,225,993	US 10,284,846
TW I513283	US 9,497,480	US 10,284,847
TW I517673	US 9,549,186	US 10,284,848
TW I517676	US 9,571,831	US 10,298,953
TW I517678	US 9,577,667	VN 15676
TW I520587	US 9,615,088	VN 16555
TW I528791	US 9,621,923	VN 16992
TW I540883	US 9,628,813	VN 17351
TW I551122	US 9,667,998	VN 18336
TW I551123	US 9,681,153	
TW I552582	US 9,686,563	
TW I558175	US 9,693,052	
TW I562607	US 9,736,494	
TW I562608	US 9,743,113	AE 165/2013
TW I562611	US 9,788,005	AE 1790
TW I562614	US 9,794,592	AL (EP 2,443,833)
TW I563828	US 9,826,228	AL (EP 2,452,493)
TW I577180	US 9,838,708	AL (EP 2,452,494)
TW I577182	US 9,860,532	AL (EP 2,489,186)
TW I597974	US 9,860,534	AL (EP 2,510,698)
TW I600313	US 9,877,040	AL (EP 2,545,710)
TW I602427	US 9,894,378	AL (EP 2545713)
TW I602428	US 9,942,565	AL (EP 2,580,912)
TW I611686	US 9,967,589	AL (EP 2,592,832)
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TW I616092	US 9,986,261	AL (EP 2,608,539)
TW I619373	US 10,015,509	AL (EP 2,629,527)

Samsung Electronics Co., Ltd.
(terminated March 27, 2020)

AL (EP 2,629,528)	AL (EP 2,986,005)	AT (EP 2,858,366)
AL (EP 2665267)	AL (EP 2,996,337)	AT (EP 2,860,980)
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AL (EP 2,677,749)	AL (EP 2,996,341)	AT (EP 2,866,442)
AL (EP 2,744,204)	AL (EP 2,996,342)	AT (EP 2,869,563)
AL (EP 2,773,109)	AL (EP 2,999,224)	AT (EP 2,884,749)
AL (EP 2804383)	AL (EP 2,999,227)	AT (EP 2,887,670)
AL (EP 2,811,745)	AL (EP 3,059,708)	AT (EP 2,890,123)
AL (EP 2,838,267)	AL (EP 3,101,900)	AT (EP 2,897,364)
AL (EP 2,838,270)	AL (EP 3,101,901)	AT (EP 2,897,365)
AL (EP 2,840,789)	AL (EP 3,104,616)	AT (EP 2,899,978)
AL (EP 2,854,398)	AL (EP 3,104,617)	AT (EP 2,899,979)
AL (EP 2,858,366)	AL (EP 3,136,728)	AT (EP 2,899,980)
AL (EP 2,860,980)	AL (EP 3,136,729)	AT (EP 2,899,981)
AL (EP 2,863,639)	AL (EP 3,232,664)	AT (EP 2,903,273)
AL (EP 2,869,563)	AL (EP 3,282,707)	AT (EP 2,903,274)
AL (EP 2,882,188)	AL (EP 3,300,371)	AT (EP 2,903,279)
AL (EP 2,884,749)	AT (EP 2,443,833)	AT (EP 2,905,962)
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AL (EP 2,890,123)	AT (EP 2,452,494)	AT (EP 2,911,398)
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AL (EP 2,899,978)	AT (EP 2,510,698)	AT (EP 2,911,401)
AL (EP 2,899,979)	AT (EP 2,545,710)	AT (EP 2,924,995)
AL (EP 2,903,273)	AT (EP 2545713)	AT (EP 2,924,996)
AL (EP 2,903,274)	AT (EP 2,580,912)	AT (EP 2,928,192)
AL (EP 2,903,279)	AT (EP 2,592,832)	AT (EP 2,940,996)
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AL (EP 2,908,525)	AT (EP 2,608,539)	AT (EP 2,940,999)
AL (EP 2,911,398)	AT (EP 2,629,526)	AT (EP 2,950,532)
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AL (EP 2,911,401)	AT (EP 2,640,076)	AT (EP 2,950,541)
AL (EP 2,924,995)	AT (EP 2665267)	AT (EP 2,950,542)
AL (EP 2,924,996)	AT (EP 2,665,268)	AT (EP 2,953,355)
AL (EP 2,940,996)	AT (EP 2,677,749)	AT (EP 2,953,356)
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AL (EP 2,955,917)	AT (EP 2,838,267)	AT (EP 2,999,224)
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AU 2011205940	AU 2015200435	BE (EP 2,712,198)
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AU 2012354420	AU 2015202671	BE (EP 2,882,188)
AU 2013201503	AU 2015203115	BE (EP 2,884,749)
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AU 2013201719	AU 2016269520	BE (EP 2,897,364)
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CA 2440013	CA 2,876,818	CH (EP 2,665,268)
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ES (EP 2,854,398)	ES (EP 2,999,226)	FI (EP 2,608,539)
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ES (EP 2,860,980)	ES (EP 3,032,829)	FI (EP 2,629,527)
ES (EP 2,863,639)	ES (EP 3,059,708)	FI (EP 2,629,528)
ES (EP 2,866,442)	ES (EP 3,101,900)	FI (EP 2,640,076)
ES (EP 2,869,563)	ES (EP 3,101,901)	FI (EP 2665267)
ES (EP 2,882,188)	ES (EP 3,104,616)	FI (EP 2,665,268)
ES (EP 2,884,749)	ES (EP 3,104,617)	FI (EP 2,677,749)
ES (EP 2,887,670)	ES (EP 3,136,728)	FI (EP 2,712,198)
ES (EP 2,890,123)	ES (EP 3,136,729)	FI (EP 2712200)
ES (EP 2,897,364)	ES (EP 3,145,197)	FI (EP 2713617)
ES (EP 2,897,365)	ES (EP 3,166,317)	FI (EP 2,713,618)
ES (EP 2,899,978)	ES (EP 3,232,664)	FI (EP 2,728,866)
ES (EP 2,899,979)	ES (EP 3,249,611)	FI (EP 2,744,204)
ES (EP 2,899,980)	ES (EP 3,267,683)	FI (EP 2,773,109)
ES (EP 2,899,981)	ES (EP 3,280,145)	FI (EP 2804383)
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ES (EP 2,903,274)	ES (EP 3,282,705)	FI (EP 2,838,267)
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ES (EP 2,905,962)	ES (EP 3,297,283)	FI (EP 2,840,789)
ES (EP 2,908,525)	ES (EP 3,297,284)	FI (EP 2,854,398)
ES (EP 2,911,398)	ES (EP 3,300,365)	FI (EP 2,858,366)
ES (EP 2,911,399)	ES (EP 3,300,371)	FI (EP 2,860,980)
ES (EP 2,911,400)	ES (EP 3,313,076)	FI (EP 2,863,639)
ES (EP 2,911,401)	ES (EP 3,322,183)	FI (EP 2,866,442)
ES (EP 2,924,995)	ES (EP 3,361,732)	FI (EP 2,869,563)
ES (EP 2,924,996)	ES (EP 3,361,733)	FI (EP 2,882,188)
ES (EP 2,928,192)	ES (EP 3,361,734)	FI (EP 2,884,749)
ES (EP 2,940,996)	ES (EP 3,361,735)	FI (EP 2,887,670)
ES (EP 2,940,997)	ES (EP 3,416,292)	FI (EP 2,890,123)
ES (EP 2,940,999)	ES (EP 3,435,675)	FI (EP 2,897,364)
ES (EP 2,950,532)	ES (EP 3,439,307)	FI (EP 2,897,365)
ES (EP 2,950,539)	ES (EP 3,448,025)	FI (EP 2,899,979)
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ES (EP 2,950,542)	ES (EP 3,454,561)	FI (EP 2,903,273)
ES (EP 2,953,355)	ES (EP 3,461,130)	FI (EP 2,903,274)
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FI (EP 2,911,400)	FR (EP 2,510,698)	FR (EP 2,905,962)
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FI (EP 2,928,192)	FR (EP 2,592,832)	FR (EP 2,911,400)
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FI (EP 2,950,542)	FR (EP 2,665,268)	FR (EP 2,950,532)
FI (EP 2,953,355)	FR (EP 2,677,749)	FR (EP 2,950,539)
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FI (EP 2,996,340)	FR (EP 2,728,866)	FR (EP 2,986,003)
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FI (EP 2,996,342)	FR (EP 2,773,109)	FR (EP 2,986,005)
FI (EP 2,999,224)	FR (EP 2804383)	FR (EP 2,986,006)
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FI (EP 3,104,617)	FR (EP 2,858,366)	FR (EP 2,999,227)
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FI (EP 3,136,729)	FR (EP 2,863,639)	FR (EP 3,059,708)
FI (EP 3,145,197)	FR (EP 2,866,442)	FR (EP 3,101,900)
FI (EP 3,166,317)	FR (EP 2,869,563)	FR (EP 3,101,901)
FI (EP 3,232,664)	FR (EP 2,882,188)	FR (EP 3,104,616)
FI (EP 3,267,683)	FR (EP 2,884,749)	FR (EP 3,104,617)
FI (EP 3,280,145)	FR (EP 2,887,670)	FR (EP 3,136,728)
FI (EP 3,282,696)	FR (EP 2,890,123)	FR (EP 3,136,729)
FI (EP 3,282,705)	FR (EP 2,897,364)	FR (EP 3,145,197)
FI (EP 3,282,707)	FR (EP 2,897,365)	FR (EP 3,166,317)
FI (EP 3,300,371)	FR (EP 2,899,978)	FR (EP 3,232,664)
FI (EP 3,462,737)	FR (EP 2,899,979)	FR (EP 3,249,611)
FR (EP 2,443,833)	FR (EP 2,899,980)	FR (EP 3,267,683)
FR (EP 2,452,493)	FR (EP 2,899,981)	FR (EP 3,280,145)
FR (EP 2,452,494)	FR (EP 2,903,273)	FR (EP 3,282,696)
FR (EP 2,471,266)	FR (EP 2,903,274)	FR (EP 3,282,705)

FR (EP 3,282,707)	GB (EP 2,811,745)	GB (EP 2,996,337)
FR (EP 3,297,283)	GB (EP 2,830,313)	GB (EP 2,996,340)
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FR (EP 3,361,733)	GB (EP 2,863,639)	GB (EP 3,059,708)
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GB (EP 2,510,698)	GB (EP 2,905,962)	GB (EP 3,297,283)
GB (EP 2,545,710)	GB (EP 2,908,525)	GB (EP 3,297,284)
GB (EP 2545713)	GB (EP 2,911,398)	GB (EP 3,300,365)
GB (EP 2,580,912)	GB (EP 2,911,399)	GB (EP 3,300,371)
GB (EP 2,592,832)	GB (EP 2,911,400)	GB (EP 3,313,076)
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GB (EP 2,608,539)	GB (EP 2,924,995)	GB (EP 3,361,732)
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GB (EP 2,629,527)	GB (EP 2,928,192)	GB (EP 3,361,734)
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GB (EP 2665267)	GB (EP 2,940,999)	GB (EP 3,435,675)
GB (EP 2,665,268)	GB (EP 2,950,532)	GB (EP 3,439,307)
GB (EP 2,677,749)	GB (EP 2,950,539)	GB (EP 3,448,025)
GB (EP 2,677,752)	GB (EP 2,950,540)	GB (EP 3,448,030)
GB (EP 2,677,753)	GB (EP 2,950,541)	GB (EP 3,448,039)
GB (EP 2,712,198)	GB (EP 2,950,542)	GB (EP 3,454,561)
GB (EP 2,712,199)	GB (EP 2,953,355)	GB (EP 3,461,130)
GB (EP 2712200)	GB (EP 2,953,356)	GB (EP 3,462,737)
GB (EP 2713617)	GB (EP 2,955,917)	GR (EP 2,443,833)
GB (EP 2,713,618)	GB (EP 2,955,918)	GR (EP 2,452,493)
GB (EP 2,728,866)	GB (EP 2,986,003)	GR (EP 2,452,494)
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GR (EP 2,545,710)	GR (EP 2,924,995)	HR (EP 2,545,710)
GR (EP 2545713)	GR (EP 2,924,996)	HR (EP 2545713)
GR (EP 2,580,912)	GR (EP 2,928,192)	HR (EP 2,580,912)
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GR (EP 2,629,526)	GR (EP 2,950,532)	HR (EP 2,629,526)
GR (EP 2,629,527)	GR (EP 2,950,539)	HR (EP 2,629,527)
GR (EP 2,629,528)	GR (EP 2,950,540)	HR (EP 2,629,528)
GR (EP 2,640,076)	GR (EP 2,950,541)	HR (EP 2,640,076)
GR (EP 2665267)	GR (EP 2,950,542)	HR (EP 2665267)
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GR (EP 2,712,198)	GR (EP 2,955,917)	HR (EP 2,712,198)
GR (EP 2712200)	GR (EP 2,955,918)	HR (EP 2712200)
GR (EP 2713617)	GR (EP 2,986,003)	HR (EP 2713617)
GR (EP 2,713,618)	GR (EP 2,986,004)	HR (EP 2,713,618)
GR (EP 2,728,866)	GR (EP 2,986,005)	HR (EP 2,728,866)
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GR (EP 2,811,745)	GR (EP 2,996,342)	HR (EP 2,811,745)
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GR (EP 2,838,270)	GR (EP 2,999,226)	HR (EP 2,838,270)
GR (EP 2,840,789)	GR (EP 2,999,227)	HR (EP 2,840,789)
GR (EP 2,854,398)	GR (EP 3,059,708)	HR (EP 2,854,398)
GR (EP 2,858,366)	GR (EP 3,101,900)	HR (EP 2,858,366)
GR (EP 2,860,980)	GR (EP 3,101,901)	HR (EP 2,860,980)
GR (EP 2,863,639)	GR (EP 3,104,616)	HR (EP 2,863,639)
GR (EP 2,866,442)	GR (EP 3,104,617)	HR (EP 2,866,442)
GR (EP 2,869,563)	GR (EP 3,136,728)	HR (EP 2,869,563)
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ID P000048331	ID P000061592	ID P-00201404397
ID P000048346	ID P000061599	ID P-00201500449
ID P000048370	ID P000061902	ID P00201503944
ID P000048655	ID P000062017	IE (EP 2,443,833)
ID P000049194	ID P000062031	IE (EP 2,452,493)
ID P000049322	ID P000062139	IE (EP 2,452,494)
ID P000049369	ID P000062811	IE (EP 2,471,266)
ID P000050156	ID P000062813	IE (EP 2,489,186)
ID P000050354	ID P000063063	IE (EP 2,510,698)
ID P000050416	ID P000063255	IE (EP 2,545,710)
ID P000050454	ID P000063475	IE (EP 2545713)
ID P000050754	ID P000063554	IE (EP 2,580,912)
ID P000050983	ID P000063688	IE (EP 2,592,832)
ID P000051519	ID P000063958	IE (EP 2,594,075)
ID P000051686	ID P000064012	IE (EP 2,608,539)
ID P000052017	ID P000064025	IE (EP 2,629,526)
ID P000052111	ID P000064042	IE (EP 2,629,527)

IE (EP 2,629,528)	IE (EP 2,940,999)	IL 243,292
IE (EP 2,640,076)	IE (EP 2,950,532)	IL 244,567
IE (EP 2665267)	IE (EP 2,950,539)	IL 244,570
IE (EP 2,665,268)	IE (EP 2,950,540)	IL 248556
IE (EP 2,677,749)	IE (EP 2,950,541)	IL 248558
IE (EP 2,677,752)	IE (EP 2,950,542)	IL 248559
IE (EP 2,712,198)	IE (EP 2,953,355)	IN 203,511
IE (EP 2712200)	IE (EP 2,953,356)	IN 268596
IE (EP 2713617)	IE (EP 2,955,917)	IN 303972
IE (EP 2,713,618)	IE (EP 2,955,918)	IN 308,002
IE (EP 2,728,866)	IE (EP 2,986,003)	IN 308,280
IE (EP 2,744,204)	IE (EP 2,986,004)	IN 312,484
IE (EP 2,773,109)	IE (EP 2,986,005)	IN 312,534
IE (EP 2804383)	IE (EP 2,986,006)	IN 314458
IE (EP 2,811,745)	IE (EP 2,996,337)	IN 314492
IE (EP 2,830,313)	IE (EP 2,996,340)	IN 325065
IE (EP 2,838,267)	IE (EP 2,996,341)	IN 325104
IE (EP 2,838,270)	IE (EP 2,996,342)	IN 325214
IE (EP 2,840,789)	IE (EP 2,999,224)	IN 326883
IE (EP 2,854,398)	IE (EP 2,999,226)	IN 330627
IE (EP 2,858,366)	IE (EP 2,999,227)	IN 332161
IE (EP 2,860,980)	IE (EP 3,059,708)	IN 333005
IE (EP 2,863,639)	IE (EP 3,101,900)	IS (EP 2,452,494)
IE (EP 2,866,442)	IE (EP 3,101,901)	IS (EP 2545713)
IE (EP 2,869,563)	IE (EP 3,104,616)	IS (EP 2,592,832)
IE (EP 2,882,188)	IE (EP 3,104,617)	IS (EP 2,629,528)
IE (EP 2,884,749)	IE (EP 3,136,728)	IS (EP 2,640,076)
IE (EP 2,887,670)	IE (EP 3,136,729)	IS (EP 2665267)
IE (EP 2,890,123)	IE (EP 3,145,197)	IS (EP 2,665,268)
IE (EP 2,897,364)	IE (EP 3,166,317)	IS (EP 2,712,198)
IE (EP 2,897,365)	IE (EP 3,232,664)	IS (EP 2712200)
IE (EP 2,899,978)	IE (EP 3,249,611)	IS (EP 2713617)
IE (EP 2,899,979)	IE (EP 3,267,683)	IS (EP 2,713,618)
IE (EP 2,899,980)	IE (EP 3,280,145)	IS (EP 2804383)
IE (EP 2,899,981)	IE (EP 3,282,696)	IS (EP 2,999,227)
IE (EP 2,903,273)	IE (EP 3,282,705)	IT (EP 2,443,833)
IE (EP 2,903,274)	IE (EP 3,282,707)	IT (EP 2,452,493)
IE (EP 2,903,279)	IE (EP 3,297,283)	IT (EP 2,452,494)
IE (EP 2,905,962)	IE (EP 3,297,284)	IT (EP 2,471,266)
IE (EP 2,908,525)	IE (EP 3,300,371)	IT (EP 2,489,186)
IE (EP 2,911,398)	IE (EP 3,361,733)	IT (EP 2,510,698)
IE (EP 2,911,399)	IE (EP 3,361,734)	IT (EP 2,545,710)
IE (EP 2,911,400)	IE (EP 3,435,675)	IT (EP 2545713)
IE (EP 2,911,401)	IL 224195	IT (EP 2,580,912)
IE (EP 2,924,995)	IL 224737	IT (EP 2,592,832)
IE (EP 2,924,996)	IL 239751	IT (EP 2,594,075)
IE (EP 2,928,192)	IL 243,289	IT (EP 2,608,539)
IE (EP 2,940,996)	IL 243290	IT (EP 2,629,526)
IE (EP 2,940,997)	IL 243291	IT (EP 2,629,527)

IT (EP 2,629,528)	IT (EP 2,940,997)	IT (EP 3,416,292)
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IT (EP 2665267)	IT (EP 2,950,532)	IT (EP 3,439,307)
IT (EP 2,665,268)	IT (EP 2,950,539)	IT (EP 3,448,025)
IT (EP 2,677,749)	IT (EP 2,950,540)	IT (EP 3,448,030)
IT (EP 2,677,752)	IT (EP 2,950,541)	IT (EP 3,448,039)
IT (EP 2,677,753)	IT (EP 2,950,542)	IT (EP 3,454,561)
IT (EP 2,712,198)	IT (EP 2,953,355)	IT (EP 3,461,130)
IT (EP 2712200)	IT (EP 2,953,356)	IT (EP 3,462,737)
IT (EP 2713617)	IT (EP 2,955,917)	JP 4,722,424
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IT (EP 2,744,204)	IT (EP 2,986,004)	JP 5,571,827
IT (EP 2,773,109)	IT (EP 2,986,005)	JP 5,620,554
IT (EP 2804383)	IT (EP 2,986,006)	JP 5,620,555
IT (EP 2,811,745)	IT (EP 2,996,337)	JP 5,620,587
IT (EP 2,830,313)	IT (EP 2,996,340)	JP 5,624,178
IT (EP 2,838,267)	IT (EP 2,996,341)	JP 5,624,179
IT (EP 2,838,270)	IT (EP 2,996,342)	JP 5,632,515
IT (EP 2,840,789)	IT (EP 2,999,224)	JP 5,632,516
IT (EP 2,854,398)	IT (EP 2,999,226)	JP 5,639,687
IT (EP 2,858,366)	IT (EP 2,999,227)	JP 5,650,742
IT (EP 2,860,980)	IT (EP 3,032,829)	JP 5,654,597
IT (EP 2,863,639)	IT (EP 3,059,708)	JP 5,687,310
IT (EP 2,866,442)	IT (EP 3,101,900)	JP 5,688,123
IT (EP 2,869,563)	IT (EP 3,101,901)	JP 5,688,124
IT (EP 2,882,188)	IT (EP 3,104,616)	JP 5,711,244
IT (EP 2,884,749)	IT (EP 3,104,617)	JP 5,711,247
IT (EP 2,887,670)	IT (EP 3,136,728)	JP 5,711,248
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IT (EP 2,897,365)	IT (EP 3,166,317)	JP 5,727,115
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IT (EP 2,903,279)	IT (EP 3,282,707)	JP 5,753,328
IT (EP 2,905,962)	IT (EP 3,297,283)	JP 5,756,106
IT (EP 2,908,525)	IT (EP 3,297,284)	JP 5,767,387
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IT (EP 2,911,399)	IT (EP 3,300,371)	JP 5,775,950
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IT (EP 2,911,401)	IT (EP 3,322,183)	JP 5,778,368
IT (EP 2,924,995)	IT (EP 3,361,732)	JP 5,819,935
IT (EP 2,924,996)	IT (EP 3,361,733)	JP 5,873,200
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IT (EP 2,940,996)	IT (EP 3,361,735)	JP 5905616

JP 5,964,422	KR 1,529,992	LI (EP 2,594,075)
JP 6,046,839	KR 1,529,993	LI (EP 2,608,539)
JP 6,050,531	KR 1,529,994	LI (EP 2,629,526)
JP 6,076,414	KR 1,530,284	LI (EP 2,629,527)
JP 6,130,556	KR 1,530,285	LI (EP 2,629,528)
JP 6,231,651	KR 1,531,170	LI (EP 2,640,076)
JP 6,574,025	KR 1,539,235	LI (EP 2665267)
JP 6,673,976	KR 1,552,909	LI (EP 2,665,268)
KE KE714	KR 1,564,423	LI (EP 2,677,749)
KE718	KR 1,575,004	LI (EP 2,677,752)
KE P/2016/002465	KR 1,575,005	LI (EP 2,712,198)
KR 612,849	KR 1,575,006	LI (EP 2712200)
KR 873,636	KR 1,598,142	LI (EP 2713617)
KR 1,452,713	KR 1,602,873	LI (EP 2,713,618)
KR 1,452,859	KR 1,604,032	LI (EP 2,728,866)
KR 1,452,860	KR 1,607,613	LI (EP 2,744,204)
KR 1,454,642	KR 1,624,649	LI (EP 2,773,109)
KR 1,454,664	KR 1,624,659	LI (EP 2804383)
KR 1,456,498	KR 1,644,539	LI (EP 2,811,745)
KR 1,456,499	KR 1,645,295	LI (EP 2,830,313)
KR 1,456,500	KR 1,650,545	LI (EP 2,838,267)
KR 1,457,396	KR 1,678,572	LI (EP 2,838,270)
KR 1,457,397	KR 1,683,177	LI (EP 2,840,789)
KR 1,457,398	KR 1,703,327	LI (EP 2,854,398)
KR 1,457,399	KR 1,733,794	LI (EP 2,858,366)
KR 1,457,418	KR 1,733,795	LI (EP 2,860,980)
KR 1,457,419	KR 1,743,245	LI (EP 2,863,639)
KR 1,457,894	KR 1,752,763	LI (EP 2,866,442)
KR 1,464,538	KR 1,768,207	LI (EP 2,869,563)
KR 1,470,923	KR 1,820,845	LI (EP 2,882,188)
KR 1,474,756	KR 1,821,703	LI (EP 2,884,749)
KR 1,477,545	KR 1,830,885	LI (EP 2,887,670)
KR 1,477,546	KR 1,882,950	LI (EP 2,890,123)
KR 1,477,621	KR 1,917,656	LI (EP 2,897,364)
KR 1,483,750	KR 1,943,991	LI (EP 2,897,365)
KR 1,484,280	KR 1,974,139	LI (EP 2,899,978)
KR 1,487,686	KR 1,982,819	LI (EP 2,899,979)
KR 1,487,687	KR 2,028,127	LI (EP 2,899,980)
KR 1,493,698	KR 2,085,183	LI (EP 2,899,981)
KR 1,493,699	LI (EP 2,443,833)	LI (EP 2,903,273)
KR 1,495,724	LI (EP 2,452,493)	LI (EP 2,903,274)
KR 1,495,725	LI (EP 2,452,494)	LI (EP 2,903,279)
KR 1,503,269	LI (EP 2,471,266)	LI (EP 2,905,962)
KR 1,503,270	LI (EP 2,489,186)	LI (EP 2,908,525)
KR 1,507,811	LI (EP 2,510,698)	LI (EP 2,911,398)
KR 1,510,108	LI (EP 2,545,710)	LI (EP 2,911,399)
KR 1,519,818	LI (EP 2545713)	LI (EP 2,911,400)
KR 1,522,850	LI (EP 2,580,912)	LI (EP 2,911,401)
KR 1,524,643	LI (EP 2,592,832)	LI (EP 2,924,995)

LI (EP 2,924,996)	LT (EP 2,443,833)	LT (EP 2,903,279)
LI (EP 2,928,192)	LT (EP 2,452,493)	LT (EP 2,905,962)
LI (EP 2,940,996)	LT (EP 2,452,494)	LT (EP 2,908,525)
LI (EP 2,940,997)	LT (EP 2,471,266)	LT (EP 2,911,398)
LI (EP 2,940,999)	LT (EP 2,489,186)	LT (EP 2,911,399)
LI (EP 2,950,532)	LT (EP 2,510,698)	LT (EP 2,911,400)
LI (EP 2,950,539)	LT (EP 2,545,710)	LT (EP 2,911,401)
LI (EP 2,950,540)	LT (EP 2545713)	LT (EP 2,924,995)
LI (EP 2,950,541)	LT (EP 2,580,912)	LT (EP 2,924,996)
LI (EP 2,950,542)	LT (EP 2,592,832)	LT (EP 2,928,192)
LI (EP 2,953,355)	LT (EP 2,594,075)	LT (EP 2,940,996)
LI (EP 2,953,356)	LT (EP 2,608,539)	LT (EP 2,940,997)
LI (EP 2,955,917)	LT (EP 2,629,526)	LT (EP 2,940,999)
LI (EP 2,955,918)	LT (EP 2,629,527)	LT (EP 2,950,532)
LI (EP 2,986,003)	LT (EP 2,629,528)	LT (EP 2,950,539)
LI (EP 2,986,004)	LT (EP 2,640,076)	LT (EP 2,950,540)
LI (EP 2,986,005)	LT (EP 2665267)	LT (EP 2,950,541)
LI (EP 2,986,006)	LT (EP 2,665,268)	LT (EP 2,950,542)
LI (EP 2,996,337)	LT (EP 2,677,749)	LT (EP 2,953,355)
LI (EP 2,996,340)	LT (EP 2,712,198)	LT (EP 2,953,356)
LI (EP 2,996,341)	LT (EP 2712200)	LT (EP 2,955,917)
LI (EP 2,996,342)	LT (EP 2713617)	LT (EP 2,955,918)
LI (EP 2,999,224)	LT (EP 2,713,618)	LT (EP 2,986,003)
LI (EP 2,999,226)	LT (EP 2,728,866)	LT (EP 2,986,004)
LI (EP 2,999,227)	LT (EP 2,744,204)	LT (EP 2,986,005)
LI (EP 3,032,829)	LT (EP 2,773,109)	LT (EP 2,996,337)
LI (EP 3,059,708)	LT (EP 2804383)	LT (EP 2,996,340)
LI (EP 3,101,900)	LT (EP 2,811,745)	LT (EP 2,996,341)
LI (EP 3,101,901)	LT (EP 2,838,267)	LT (EP 2,996,342)
LI (EP 3,104,616)	LT (EP 2,838,270)	LT (EP 2,999,224)
LI (EP 3,104,617)	LT (EP 2,840,789)	LT (EP 2,999,226)
LI (EP 3,136,728)	LT (EP 2,854,398)	LT (EP 2,999,227)
LI (EP 3,136,729)	LT (EP 2,858,366)	LT (EP 3,059,708)
LI (EP 3,145,197)	LT (EP 2,860,980)	LT (EP 3,101,900)
LI (EP 3,166,317)	LT (EP 2,863,639)	LT (EP 3,101,901)
LI (EP 3,232,664)	LT (EP 2,866,442)	LT (EP 3,104,616)
LI (EP 3,249,611)	LT (EP 2,869,563)	LT (EP 3,104,617)
LI (EP 3,267,683)	LT (EP 2,882,188)	LT (EP 3,136,728)
LI (EP 3,280,145)	LT (EP 2,884,749)	LT (EP 3,136,729)
LI (EP 3,282,696)	LT (EP 2,887,670)	LT (EP 3,145,197)
LI (EP 3,282,705)	LT (EP 2,890,123)	LT (EP 3,166,317)
LI (EP 3,282,707)	LT (EP 2,897,364)	LT (EP 3,232,664)
LI (EP 3,297,283)	LT (EP 2,897,365)	LT (EP 3,267,683)
LI (EP 3,297,284)	LT (EP 2,899,978)	LT (EP 3,280,145)
LI (EP 3,300,371)	LT (EP 2,899,979)	LT (EP 3,282,696)
LI (EP 3,361,733)	LT (EP 2,899,980)	LT (EP 3,282,705)
LI (EP 3,361,734)	LT (EP 2,899,981)	LT (EP 3,282,707)
LI (EP 3,435,675)	LT (EP 2,903,273)	LT (EP 3,300,371)
LK 17013	LT (EP 2,903,274)	LU (EP 2,443,833)

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

LV (EP 2,911,398)	MC (EP 2665267)	MK (EP 2,897,365)
LV (EP 2,911,399)	MC (EP 2,665,268)	MK (EP 2,899,978)
LV (EP 2,911,400)	MC (EP 2,712,198)	MK (EP 2,899,979)
LV (EP 2,911,401)	MC (EP 2712200)	MK (EP 2,899,980)
LV (EP 2,924,995)	MC (EP 2713617)	MK (EP 2,899,981)
LV (EP 2,924,996)	MC (EP 2,713,618)	MK (EP 2,903,273)
LV (EP 2,940,996)	MC (EP 2804383)	MK (EP 2,903,274)
LV (EP 2,940,997)	MK (EP 2,443,833)	MK (EP 2,903,279)
LV (EP 2,940,999)	MK (EP 2,452,493)	MK (EP 2,905,962)
LV (EP 2,950,532)	MK (EP 2,452,494)	MK (EP 2,908,525)
LV (EP 2,950,539)	MK (EP 2,471,266)	MK (EP 2,911,398)
LV (EP 2,950,540)	MK (EP 2,489,186)	MK (EP 2,911,399)
LV (EP 2,950,541)	MK (EP 2,510,698)	MK (EP 2,911,400)
LV (EP 2,950,542)	MK (EP 2,545,710)	MK (EP 2,911,401)
LV (EP 2,953,355)	MK (EP 2545713)	MK (EP 2,924,995)
LV (EP 2,953,356)	MK (EP 2,580,912)	MK (EP 2,924,996)
LV (EP 2,955,917)	MK (EP 2,592,832)	MK (EP 2,940,997)
LV (EP 2,955,918)	MK (EP 2,594,075)	MK (EP 2,940,999)
LV (EP 2,986,003)	MK (EP 2,608,539)	MK (EP 2,950,532)
LV (EP 2,986,004)	MK (EP 2,629,526)	MK (EP 2,950,539)
LV (EP 2,986,005)	MK (EP 2,629,527)	MK (EP 2,950,540)
LV (EP 2,996,337)	MK (EP 2,629,528)	MK (EP 2,950,541)
LV (EP 2,996,340)	MK (EP 2,640,076)	MK (EP 2,950,542)
LV (EP 2,996,341)	MK (EP 2665267)	MK (EP 2,953,355)
LV (EP 2,996,342)	MK (EP 2,665,268)	MK (EP 2,953,356)
LV (EP 2,999,224)	MK (EP 2,677,749)	MK (EP 2,955,917)
LV (EP 2,999,226)	MK (EP 2,712,198)	MK (EP 2,955,918)
LV (EP 2,999,227)	MK (EP 2712200)	MK (EP 2,986,003)
LV (EP 3,059,708)	MK (EP 2713617)	MK (EP 2,986,004)
LV (EP 3,101,900)	MK (EP 2,713,618)	MK (EP 2,986,005)
LV (EP 3,101,901)	MK (EP 2,728,866)	MK (EP 2,996,337)
LV (EP 3,104,616)	MK (EP 2,744,204)	MK (EP 2,996,340)
LV (EP 3,104,617)	MK (EP 2,773,109)	MK (EP 2,996,341)
LV (EP 3,136,728)	MK (EP 2804383)	MK (EP 2,996,342)
LV (EP 3,136,729)	MK (EP 2,811,745)	MK (EP 2,999,224)
LV (EP 3,145,197)	MK (EP 2,838,267)	MK (EP 2,999,226)
LV (EP 3,166,317)	MK (EP 2,838,270)	MK (EP 2,999,227)
LV (EP 3,232,664)	MK (EP 2,840,789)	MK (EP 3,059,708)
LV (EP 3,267,683)	MK (EP 2,854,398)	MK (EP 3,101,900)
LV (EP 3,280,145)	MK (EP 2,858,366)	MK (EP 3,101,901)
LV (EP 3,282,696)	MK (EP 2,860,980)	MK (EP 3,104,616)
LV (EP 3,282,705)	MK (EP 2,863,639)	MK (EP 3,104,617)
LV (EP 3,282,707)	MK (EP 2,866,442)	MK (EP 3,136,728)
LV (EP 3,300,371)	MK (EP 2,869,563)	MK (EP 3,136,729)
MC (EP 2,452,494)	MK (EP 2,882,188)	MK (EP 3,145,197)
MC (EP 2545713)	MK (EP 2,884,749)	MK (EP 3,166,317)
MC (EP 2,592,832)	MK (EP 2,887,670)	MK (EP 3,232,664)
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MT (EP 2,712,198)	MX 322,912	MX 333,207
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MX 310105	MX 323387	MX 334,592
MX 311413	MX 323390	MX 334877
MX 313,556	MX 323391	MX 335,118
MX 313,601	MX 323,423	MX 335119
MX 313,959	MX 323,424	MX 335120
MX 315,450	MX 323,714	MX 335,159
MX 315451	MX 324107	MX 335,160
MX 315,662	MX 324108	MX 335903
MX 315,664	MX 324,186	MX 336,117
MX 316,236	MX 324,187	MX 336,301
MX 316237	MX 324,188	MX 336,302
MX 316,852	MX 324,348	MX 336,303
MX 317649	MX 326,317	MX 336,371
MX 318037	MX 326536	MX 336525
MX 318519	MX 326542	MX 336648
MX 319,044	MX 327389	MX 336649
MX 319,045	MX 327425	MX 336650
MX 319,047	MX 327686	MX 336,876
MX 319,248	MX 327687	MX 336,877
MX 319249	MX 328193	MX 337,142
MX 319,251	MX 328501	MX 337,143
MX 319,332	MX 328689	MX 337,144
MX 319,559	MX 329311	MX 337,230
MX 319,560	MX 329314	MX 337,232
MX 319,561	MX 330592	MX 337,235
MX 319,562	MX 330593	MX 337403
MX 319,564	MX 331,014	MX 337921
MX 320,205	MX 331152	MX 338,669
MX 320207	MX 331163	MX 338,670
MX 320,209	MX 331682	MX 339,849
MX 320,213	MX 332082	MX 339,850
MX 320217	MX 332084	MX 339998
MX 320225	MX 332,245	MX 341305
MX 320433	MX 332,577	MX 342394

MX 343865	MY 166069-A	NL (EP 2,629,526)
MX 344091	MY 166149-A	NL (EP 2,629,527)
MX 346477	MY 166200-A	NL (EP 2,629,528)
MX 346,561	MY 166893-A	NL (EP 2,640,076)
MX 347,473	MY 167146-A	NL (EP 2665267)
MX 349298	MY-167815-A	NL (EP 2,665,268)
MX 353742	MY 168224-A	NL (EP 2,677,749)
MX 354286	MY-168314-A	NL (EP 2,677,752)
MX 354287	MY-168315-A	NL (EP 2,677,753)
MX 354336	MY 168324-A	NL (EP 2,712,198)
MX 356391	MY-168325-A	NL (EP 2712200)
MX 358773	MY 169355A	NL (EP 2713617)
MX 364043	MY 169873A	NL (EP 2,713,618)
MY 173540-A	MY 170156A	NL (EP 2,728,866)
MY 153787A	MY 171306-A	NL (EP 2,744,204)
MY-153844-A	MY 171636-A	NL (EP 2,773,109)
MY 154147A	MY 172478-A	NL (EP 2804383)
MY-154665-A	MY 172652-A	NL (EP 2,811,745)
MY-154795-A	MY 172727-A	NL (EP 2,830,313)
MY 155120-A	MY 172871-A	NL (EP 2,838,267)
MY-155121-4	MY 172917A	NL (EP 2,838,270)
MY 155173-A	MY 173195A	NL (EP 2,840,789)
MY-155175-A	MY 173199A	NL (EP 2,854,398)
MY-155333-A	MY 173533-A	NL (EP 2,858,366)
MY-155335-A	MY 173534-A	NL (EP 2,860,980)
MY 155891-A	MY 173539-A	NL (EP 2,863,639)
MY-156223-A	MY 174068A	NL (EP 2,866,442)
MY-157499-A	MY 174079A	NL (EP 2,869,563)
MY-157501-A	MY 174172A	NL (EP 2,882,188)
MY-157778-A	MY PI2012000238	NL (EP 2,884,749)
MY 160578-A	MY PI2012000404	NL (EP 2,887,670)
MY 160838-A	MY PI2013000136	NL (EP 2,890,123)
MY 163448-A	MY PI2013004676	NL (EP 2,897,364)
MY 163803-A	MY PI2016001179	NL (EP 2,897,365)
MY 163978-A	MY PI2016001180	NL (EP 2,899,978)
MY 163989-A	MY PI2016001181	NL (EP 2,899,979)
MY 164252-A	MY PI2016001182	NL (EP 2,899,980)
MY 164266-A	NL (EP 2,443,833)	NL (EP 2,899,981)
MY 164324-A	NL (EP 2,452,493)	NL (EP 2,903,273)
MY 164871-A	NL (EP 2,452,494)	NL (EP 2,903,274)
MY 165170A	NL (EP 2,471,266)	NL (EP 2,903,279)
MY 165372-A	NL (EP 2,489,186)	NL (EP 2,905,962)
MY 165375-A	NL (EP 2,510,698)	NL (EP 2,908,525)
MY 165376-A	NL (EP 2,545,710)	NL (EP 2,911,398)
MY 165529-A	NL (EP 2545713)	NL (EP 2,911,399)
MY 165841-A	NL (EP 2,580,912)	NL (EP 2,911,400)
MY 165858-A	NL (EP 2,592,832)	NL (EP 2,911,401)
MY 165859-A	NL (EP 2,594,075)	NL (EP 2,924,995)
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NL (EP 2,928,192)	NL (EP 3,361,734)	NO (EP 2,884,749)
NL (EP 2,940,996)	NL (EP 3,361,735)	NO (EP 2,887,670)
NL (EP 2,940,997)	NL (EP 3,416,292)	NO (EP 2,890,123)
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NL (EP 2,950,532)	NL (EP 3,439,307)	NO (EP 2,897,365)
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NL (EP 2,950,542)	NL (EP 3,454,561)	NO (EP 2,899,981)
NL (EP 2,953,355)	NL (EP 3,461,130)	NO (EP 2,903,273)
NL (EP 2,953,356)	NL (EP 3,462,737)	NO (EP 2,903,274)
NL (EP 2,955,917)	NO (EP 2,443,833)	NO (EP 2,903,279)
NL (EP 2,955,918)	NO (EP 2,452,493)	NO (EP 2,905,962)
NL (EP 2,986,003)	NO (EP 2,452,494)	NO (EP 2,908,525)
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NL (EP 2,986,006)	NO (EP 2,510,698)	NO (EP 2,911,400)
NL (EP 2,996,337)	NO (EP 2,545,710)	NO (EP 2,911,401)
NL (EP 2,996,340)	NO (EP 2545713)	NO (EP 2,924,995)
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NL (EP 2,996,342)	NO (EP 2,592,832)	NO (EP 2,928,192)
NL (EP 2,999,224)	NO (EP 2,594,075)	NO (EP 2,940,996)
NL (EP 2,999,226)	NO (EP 2,608,539)	NO (EP 2,940,997)
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NL (EP 3,059,708)	NO (EP 2,629,528)	NO (EP 2,950,539)
NL (EP 3,101,900)	NO (EP 2,640,076)	NO (EP 2,950,540)
NL (EP 3,101,901)	NO (EP 2665267)	NO (EP 2,950,541)
NL (EP 3,104,616)	NO (EP 2,665,268)	NO (EP 2,950,542)
NL (EP 3,104,617)	NO (EP 2,677,749)	NO (EP 2,953,355)
NL (EP 3,136,728)	NO (EP 2,712,198)	NO (EP 2,953,356)
NL (EP 3,136,729)	NO (EP 2712200)	NO (EP 2,955,917)
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NL (EP 3,166,317)	NO (EP 2,713,618)	NO (EP 2,986,003)
NL (EP 3,232,664)	NO (EP 2,728,866)	NO (EP 2,986,004)
NL (EP 3,249,611)	NO (EP 2,744,204)	NO (EP 2,986,005)
NL (EP 3,267,683)	NO (EP 2,773,109)	NO (EP 2,996,337)
NL (EP 3,280,145)	NO (EP 2804383)	NO (EP 2,996,340)
NL (EP 3,282,696)	NO (EP 2,811,745)	NO (EP 2,996,341)
NL (EP 3,282,705)	NO (EP 2,838,267)	NO (EP 2,996,342)
NL (EP 3,282,707)	NO (EP 2,838,270)	NO (EP 2,999,224)
NL (EP 3,297,283)	NO (EP 2,840,789)	NO (EP 2,999,226)
NL (EP 3,297,284)	NO (EP 2,854,398)	NO (EP 2,999,227)
NL (EP 3,300,365)	NO (EP 2,858,366)	NO (EP 3,059,708)
NL (EP 3,300,371)	NO (EP 2,860,980)	NO (EP 3,101,900)
NL (EP 3,313,076)	NO (EP 2,863,639)	NO (EP 3,101,901)
NL (EP 3,322,183)	NO (EP 2,866,442)	NO (EP 3,104,616)
NL (EP 3,361,732)	NO (EP 2,869,563)	NO (EP 3,104,617)
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PH 1-2013-500059	PH 1-2016-501426	PL (EP 2,773,109)
PH 1-2013-500062	PH 1-2016-501427	PL (EP 2804383)
PH 1-2013-500073	PH 1-2016-501428	PL (EP 2,811,745)
PH 1-2013-500312	PH 1-2016-501429	PL (EP 2,830,313)
PH 1-2013-501325	PH 1-2016-501592	PL (EP 2,838,267)
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PH 1-2014-500012	PH 1-2016-501594	PL (EP 2,840,789)
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PH 1-2014-501262	PH 1-2016-502410	PL (EP 2,866,442)
PH 1-2014-502262	PH 1-2016-502412	PL (EP 2,869,563)
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PH 1-2015-500255	PH 1-2017-501634	PL (EP 2,890,123)
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PH 1-2015-500305	PL (EP 2,443,833)	PL (EP 2,899,981)
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PH 1-2015-500672	PL (EP 2,471,266)	PL (EP 2,903,279)
PH 1-2015-500673	PL (EP 2,489,186)	PL (EP 2,905,962)
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PL (EP 2,911,399)	PL (EP 3,300,371)	PT (EP 2,860,980)
PL (EP 2,911,400)	PL (EP 3,313,076)	PT (EP 2,863,639)
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PL (EP 2,928,192)	PL (EP 3,361,734)	PT (EP 2,887,670)
PL (EP 2,940,996)	PL (EP 3,361,735)	PT (EP 2,890,123)
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PL (EP 2,986,003)	PT (EP 2,452,494)	PT (EP 2,911,398)
PL (EP 2,986,004)	PT (EP 2,471,266)	PT (EP 2,911,399)
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PL (EP 2,996,337)	PT (EP 2,545,710)	PT (EP 2,924,995)
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PL (EP 2,996,342)	PT (EP 2,592,832)	PT (EP 2,940,996)
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PL (EP 2,999,226)	PT (EP 2,608,539)	PT (EP 2,940,999)
PL (EP 2,999,227)	PT (EP 2,629,526)	PT (EP 2,950,532)
PL (EP 3,032,829)	PT (EP 2,629,527)	PT (EP 2,950,539)
PL (EP 3,059,708)	PT (EP 2,629,528)	PT (EP 2,950,540)
PL (EP 3,101,900)	PT (EP 2,640,076)	PT (EP 2,950,541)
PL (EP 3,101,901)	PT (EP 2665267)	PT (EP 2,950,542)
PL (EP 3,104,616)	PT (EP 2,665,268)	PT (EP 2,953,355)
PL (EP 3,104,617)	PT (EP 2,677,749)	PT (EP 2,953,356)
PL (EP 3,136,728)	PT (EP 2,712,198)	PT (EP 2,955,917)
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PL (EP 3,166,317)	PT (EP 2,713,618)	PT (EP 2,986,004)
PL (EP 3,232,664)	PT (EP 2,728,866)	PT (EP 2,986,005)
PL (EP 3,249,611)	PT (EP 2,744,204)	PT (EP 2,996,337)
PL (EP 3,267,683)	PT (EP 2,773,109)	PT (EP 2,996,340)
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PL (EP 3,282,696)	PT (EP 2,811,745)	PT (EP 2,996,342)
PL (EP 3,282,705)	PT (EP 2,838,267)	PT (EP 2,999,224)
PL (EP 3,282,707)	PT (EP 2,838,270)	PT (EP 2,999,226)
PL (EP 3,297,283)	PT (EP 2,840,789)	PT (EP 2,999,227)
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PL (EP 3,300,365)	PT (EP 2,858,366)	PT (EP 3,101,900)

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

RS (EP 2,897,365)	RU 2510945	RU 2579441
RS (EP 2,899,978)	RU 2513707	RU 2579989
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RS (EP 2,903,273)	RU 2514929	RU 2582572
RS (EP 2,903,274)	RU 2515226	RU 2586001
RS (EP 2,903,279)	RU 2516444	RU 2586035
RS (EP 2,905,962)	RU 2517193	RU 2586321
RS (EP 2,908,525)	RU 2517253	RU 2589382
RS (EP 2,924,995)	RU 2517293	RU 2594291
RS (EP 2,924,996)	RU 2517404	RU 2595262
RS (EP 2,940,996)	RU 2518635	RU 2,595,576
RS (EP 2,940,997)	RU 2,518,718	RU 2595578
RS (EP 2,940,999)	RU 2519280	RU 2,595,596
RS (EP 2,950,532)	RU 2,523,126	RU 2,595,602
RS (EP 2,953,355)	RU 2526861	RU 2,595,607
RS (EP 2,953,356)	RU 2528132	RU 2,595,609
RS (EP 2,955,917)	RU 2530252	RU 2,595,610
RS (EP 2,955,918)	RU 2530341	RU 2,595,756
RS (EP 2,986,003)	RU 2540842	RU 2,595,946
RS (EP 2,986,004)	RU 2542884	RU 2,595,947
RS (EP 2,986,005)	RU 2543519	RU 2,595,949
RS (EP 2,996,337)	RU 2546619	RU 2,595,950
RS (EP 2,996,340)	RU 2547707	RU 2,597,484
RS (EP 2,996,341)	RU 2551794	RU 2597494
RS (EP 2,996,342)	RU 2554555	RU 2,597,521
RS (EP 2,999,224)	RU 2555236	RU 2,600,534
RS (EP 2,999,226)	RU 2559737	RU 2601180
RS (EP 2,999,227)	RU 2559738	RU 2,602,383
RS (EP 3,059,708)	RU 2559740	RU 2,602,784
RS (EP 3,101,900)	RU 2559743	RU 2,603,539
RS (EP 3,101,901)	RU 2559751	RU 2,603,541
RS (EP 3,104,616)	RU 2559753	RU 2,603,543
RS (EP 3,104,617)	RU 2559757	RU 2,604,997
RS (EP 3,136,728)	RU 2559758	RU 2,605,362
RS (EP 3,136,729)	RU 2564631	RU 2,605,915
RS (EP 3,145,197)	RU 2566955	RU 2,607,233
RS (EP 3,166,317)	RU 2566956	RU 2,607,247
RS (EP 3,232,664)	RU 2566957	RU 2,607,249
RS (EP 3,280,145)	RU 2566973	RU 2,607,250
RS (EP 3,282,705)	RU 2569807	RU 2,607,254
RS (EP 3,282,707)	RU 2569808	RU 2,607,255
RS (EP 3,300,371)	RU 2573193	RU 2,607,256
RU 2276472	RU 2575868	RU 2,607,257
RU 2490815	RU 2575982	RU 2,608,263
RU 2493669	RU 2575983	RU 2,608,264
RU 2509435	RU 2575990	RU 2,608,353
RU 2509436	RU 2577182	RU 2,608,465

RU 2,608,877	SE (EP 2,629,528)	SE (EP 2,950,539)
RU 2,609,077	SE (EP 2,640,076)	SE (EP 2,950,540)
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RU 2,609,750	SE (EP 2,665,268)	SE (EP 2,950,542)
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RU 2,612,612	SE (EP 2,712,198)	SE (EP 2,953,356)
RU 2,612,613	SE (EP 2712200)	SE (EP 2,955,917)
RU 2,612,614	SE (EP 2713617)	SE (EP 2,955,918)
RU 2,612,624	SE (EP 2,713,618)	SE (EP 2,986,003)
RU 2,614,544	SE (EP 2,728,866)	SE (EP 2,986,004)
RU 2,618,511	SE (EP 2,744,204)	SE (EP 2,986,005)
RU 2619706	SE (EP 2,773,109)	SE (EP 2,986,006)
RU 2,620,718	SE (EP 2804383)	SE (EP 2,996,337)
RU 2,621,008	SE (EP 2,811,745)	SE (EP 2,996,340)
RU 2,624,578	SE (EP 2,838,267)	SE (EP 2,996,341)
RU 2,627,033	SE (EP 2,838,270)	SE (EP 2,996,342)
RU 2,627,036	SE (EP 2,840,789)	SE (EP 2,999,224)
RU 2,627,294	SE (EP 2,854,398)	SE (EP 2,999,226)
RU 2,628,123	SE (EP 2,858,366)	SE (EP 2,999,227)
RU 2,632,139	SE (EP 2,860,980)	SE (EP 3,059,708)
RU 2,632,409	SE (EP 2,863,639)	SE (EP 3,101,900)
RU 2,635,877	SE (EP 2,866,442)	SE (EP 3,101,901)
RU 2,635,893	SE (EP 2,869,563)	SE (EP 3,104,616)
RU 2,636,100	SE (EP 2,882,188)	SE (EP 3,104,617)
RU 2,636,672	SE (EP 2,884,749)	SE (EP 3,136,728)
RU 2,637,881	SE (EP 2,887,670)	SE (EP 3,136,729)
RU 2,638,742	SE (EP 2,890,123)	SE (EP 3,145,197)
RU 2,639,691	SE (EP 2,897,364)	SE (EP 3,166,317)
RU 2,639,946	SE (EP 2,897,365)	SE (EP 3,232,664)
RU 2,640,719	SE (EP 2,899,978)	SE (EP 3,267,683)
RU 2,642,387	SE (EP 2,899,979)	SE (EP 3,280,145)
RU 2,643,497	SE (EP 2,899,980)	SE (EP 3,282,696)
RU 2,652,505	SE (EP 2,899,981)	SE (EP 3,282,705)
RU 2,660,640	SE (EP 2,903,273)	SE (EP 3,282,707)
RU 2,701,844	SE (EP 2,903,274)	SE (EP 3,300,371)
SE (EP 2,443,833)	SE (EP 2,903,279)	SE (EP 3,313,076)
SE (EP 2,452,493)	SE (EP 2,905,962)	SE (EP 3,435,675)
SE (EP 2,452,494)	SE (EP 2,908,525)	SG 70307
SE (EP 2,471,266)	SE (EP 2,911,398)	SG 182491
SE (EP 2,489,186)	SE (EP 2,911,399)	SG 186970
SE (EP 2,510,698)	SE (EP 2,911,400)	SG 186978
SE (EP 2,545,710)	SE (EP 2,911,401)	SG 186996
SE (EP 2545713)	SE (EP 2,924,995)	SG 187055
SE (EP 2,580,912)	SE (EP 2,924,996)	SG 187860
SE (EP 2,592,832)	SE (EP 2,928,192)	SG 192511
SE (EP 2,594,075)	SE (EP 2,940,996)	SG 192512
SE (EP 2,608,539)	SE (EP 2,940,997)	SG 195591
SE (EP 2,629,526)	SE (EP 2,940,999)	SG 195593
SE (EP 2,629,527)	SE (EP 2,950,532)	SG 195964

SG 195967	SI (EP 2712200)	SI (EP 2,955,917)
SG 196007	SI (EP 2713617)	SI (EP 2,955,918)
SG 196797	SI (EP 2,713,618)	SI (EP 2,986,003)
SG 10201500920V	SI (EP 2,728,866)	SI (EP 2,986,004)
SG 10201500923S	SI (EP 2,744,204)	SI (EP 2,986,005)
SG 10201502731V	SI (EP 2,773,109)	SI (EP 2,996,337)
SG 10201502735P	SI (EP 2804383)	SI (EP 2,996,340)
SG 10201502738X	SI (EP 2,811,745)	SI (EP 2,996,341)
SG 10201502739Q	SI (EP 2,838,267)	SI (EP 2,996,342)
SG 10201503379S	SI (EP 2,838,270)	SI (EP 2,999,224)
SG 10201503381W	SI (EP 2,840,789)	SI (EP 2,999,226)
SG 10201503383P	SI (EP 2,854,398)	SI (EP 2,999,227)
SG 10201503487V	SI (EP 2,858,366)	SI (EP 3,059,708)
SG 10201503492W	SI (EP 2,860,980)	SI (EP 3,101,900)
SG 10201503685R	SI (EP 2,863,639)	SI (EP 3,101,901)
SG 10201503690Q	SI (EP 2,866,442)	SI (EP 3,104,616)
SG 10201503692U	SI (EP 2,869,563)	SI (EP 3,104,617)
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SG 10201505819X	SI (EP 2,884,749)	SI (EP 3,136,729)
SG 10201505820Q	SI (EP 2,887,670)	SI (EP 3,145,197)
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SG 10201605379R	SI (EP 2,897,364)	SI (EP 3,232,664)
SG 10201701381R	SI (EP 2,897,365)	SI (EP 3,267,683)
SG 10201704574Y	SI (EP 2,899,978)	SI (EP 3,280,145)
SG 10201709163W	SI (EP 2,899,979)	SI (EP 3,282,696)
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SG 11201403069S	SI (EP 2,899,981)	SI (EP 3,282,707)
SG 11201406560U	SI (EP 2,903,273)	SI (EP 3,300,371)
SG 11201408246Q	SI (EP 2,903,274)	SK (EP 2,443,833)
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SI (EP 2,452,493)	SI (EP 2,905,962)	SK (EP 2,452,494)
SI (EP 2,452,494)	SI (EP 2,908,525)	SK (EP 2,471,266)
SI (EP 2,471,266)	SI (EP 2,911,398)	SK (EP 2,489,186)
SI (EP 2,489,186)	SI (EP 2,911,399)	SK (EP 2,510,698)
SI (EP 2,510,698)	SI (EP 2,911,400)	SK (EP 2,545,710)
SI (EP 2,545,710)	SI (EP 2,911,401)	SK (EP 2545713)
SI (EP 2545713)	SI (EP 2,924,995)	SK (EP 2,580,912)
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SI (EP 2,608,539)	SI (EP 2,940,997)	SK (EP 2,629,526)
SI (EP 2,629,526)	SI (EP 2,940,999)	SK (EP 2,629,527)
SI (EP 2,629,527)	SI (EP 2,950,532)	SK (EP 2,629,528)
SI (EP 2,629,528)	SI (EP 2,950,539)	SK (EP 2,640,076)
SI (EP 2,640,076)	SI (EP 2,950,540)	SK (EP 2665267)
SI (EP 2665267)	SI (EP 2,950,541)	SK (EP 2,665,268)
SI (EP 2,665,268)	SI (EP 2,950,542)	SK (EP 2,677,749)
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SI (EP 2,712,198)	SI (EP 2,953,356)	SK (EP 2,677,753)

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SK (EP 2712200)	SK (EP 2,953,356)	SK (EP 3,462,737)
SK (EP 2713617)	SK (EP 2,955,917)	SM (EP 2,452,494)
SK (EP 2,713,618)	SK (EP 2,955,918)	SM (EP 2545713)
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SK (EP 2,838,267)	SK (EP 2,996,341)	SM (EP 2712200)
SK (EP 2,838,270)	SK (EP 2,996,342)	SM (EP 2713617)
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SK (EP 2,854,398)	SK (EP 2,999,226)	SM (EP 2804383)
SK (EP 2,858,366)	SK (EP 2,999,227)	TR (EP 2,443,833)
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SK (EP 2,863,639)	SK (EP 3,059,708)	TR (EP 2,452,494)
SK (EP 2,866,442)	SK (EP 3,101,900)	TR (EP 2,471,266)
SK (EP 2,869,563)	SK (EP 3,101,901)	TR (EP 2,489,186)
SK (EP 2,882,188)	SK (EP 3,104,616)	TR (EP 2,510,698)
SK (EP 2,884,749)	SK (EP 3,104,617)	TR (EP 2,545,710)
SK (EP 2,887,670)	SK (EP 3,136,728)	TR (EP 2545713)
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SK (EP 2,897,364)	SK (EP 3,145,197)	TR (EP 2,592,832)
SK (EP 2,897,365)	SK (EP 3,166,317)	TR (EP 2,594,075)
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SK (EP 2,899,980)	SK (EP 3,267,683)	TR (EP 2,629,527)
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SK (EP 2,903,273)	SK (EP 3,282,696)	TR (EP 2,640,076)
SK (EP 2,903,274)	SK (EP 3,282,705)	TR (EP 2665267)
SK (EP 2,903,279)	SK (EP 3,282,707)	TR (EP 2,665,268)
SK (EP 2,905,962)	SK (EP 3,297,283)	TR (EP 2,677,749)
SK (EP 2,908,525)	SK (EP 3,297,284)	TR (EP 2,677,753)
SK (EP 2,911,398)	SK (EP 3,300,365)	TR (EP 2,712,198)
SK (EP 2,911,399)	SK (EP 3,300,371)	TR (EP 2712200)
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SK (EP 2,911,401)	SK (EP 3,322,183)	TR (EP 2,713,618)
SK (EP 2,924,995)	SK (EP 3,361,732)	TR (EP 2,728,866)
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SK (EP 2,940,999)	SK (EP 3,435,675)	TR (EP 2,830,313)
SK (EP 2,950,532)	SK (EP 3,439,307)	TR (EP 2,838,267)
SK (EP 2,950,539)	SK (EP 3,448,025)	TR (EP 2,838,270)
SK (EP 2,950,540)	SK (EP 3,448,030)	TR (EP 2,840,789)
SK (EP 2,950,541)	SK (EP 3,448,039)	TR (EP 2,854,398)
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US 8,885,725	US 9,131,232	US 9,351,000
US 8,885,727	US 9,131,237	US 9,351,015
US 8,885,958	US 9,137,534	US 9,351,017
US 8,885,959	US 9,137,543	US 9,369,715
US 8,891,618	US 9,148,665	US 9,369,736
US 8,891,631	US 9,179,167	US 9,374,579
US 8,891,632	US 9,204,160	US 9,386,323
US 8,897,363	US 9,204,162	US 9,386,325
US 8,897,369	US 9,204,163	US 9,390,470
US 8,902,979	US 9,219,918	US 9,392,285
US 8,923,641	US 9,225,987	US 9,407,916
US 8,934,541	US 9,225,995	US 9,407,917
US 8,938,006	US 9,225,997	US 9,407,928
US 8,953,682	US 9,232,229	US 9,407,936
US 8,958,476	US 9,247,247	US 9,414,056
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Group of Kyung Hee University
(terminated January 2, 2020)**

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Addendum of HEVC Licensors' 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

AU 2015213343 (removed as of January 11, 2019)



July 8, 2024

VVC Licensors Attachment 1

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