

**Alpha Digitech, Inc.**

KR 1,226,498

**Apple Inc.**

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AU 2014281169  
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AU 2020202363  
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**ARRIS Enterprises, LLC, a  
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US 10,341,685

**BI Institute of Image  
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CN 110024407B  
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**British Broadcasting  
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**Digital Insights Inc.**

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**Fujitsu Limited**

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**Funai Electric Co., Ltd.**

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US 9,264,723	US 10,356,409	ZA 2016/00847
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US 9,325,994	US 10,390,016	ZA 2016/00850
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**Hangzhou Boyun Technology Co., Ltd.**

CN 104012094  
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**Hangzhou Hikvision Digital Technology Co., Ltd.**

KR 1,388,469  
KR 1,539,178  
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**HUMAX Co., Ltd.**

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**IBEX PT Holdings**

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**IDEAHUB, Inc.**

BR 112014023948-7  
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**Industry-Academy Cooperation  
Foundation of Sejong University**

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**Korea Electronics Technology  
Institute**

US Re. 47,897

**KT Corp.**

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HR (EP 2,947,877)	IE (EP 2,950,534)	IT (EP 2,608,541)
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ZA 2012/08766

Massachusetts Institute of  
Technology

US 9,479,771

Maxell, Ltd.

CN 200980129083.1  
CN 201310591426.4  
CN 201410216290.3  
CN 201410216451.9  
CN 201410216455.7  
CN 201410217173.9  
CN 201410217175.8  
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Nippon Hoso Kyokai

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JP 5,302,256  
JP 5,377,395  
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US 9,167,263

US 9,451,280  
ZA 2011/09006  
ZA 2011/09188

### REEF LLC

KR 1,947,657  
KR 1,947,658  
KR 2,005,468

### Siemens Corp.

BR PI0109962-0  
CN 101099388  
CN 103404145B  
CN 107454402  
DE (EP 2,630,800)  
GB (EP 2,630,800)  
KR 1,227,579  
KR 1,968,700  
US 8,837,850  
US 9,356,620

### SK Planet Co., Ltd.

KR 734,141  
KR 1,625,441  
KR 1,626,757  
US 10,334,271  
US 10,341,679

### Sky Media Tech. Inc.

KR 1,827,939  
KR 1,846,250  
KR 1,916,662  
KR 2,166,313

### SungKyunkwan University Research & Business Foundation

KR 1,263,090  
KR 1,645,544  
KR 1,707,194  
KR 1,789,759  
KR 1,818,997  
US 10,021,422  
US 10,123,047  
US 10,178,383

US 10,368,101  
US 10,368,102  
US 10,368,103

### Tagivan ILLC

AL (EP 3,598,753)  
AL (EP 3,598,754)  
AL (EP 3,614,670)  
AT (EP 2,775,717)  
AU 2012221587  
AU 2012285242  
AU 2012333936  
AU 2016250508  
AU 2017203193  
AU 2018201049  
BE (EP 2,216,995) - Exp. Apr 10, 2023  
BE (EP 3,598,753)  
BE (EP 3,598,754)  
BE (EP 3,614,670)  
BR PI 0304549-8  
BR 112012021600-7  
BR 112013031212-2  
CA 2,443,861 - Exp. Apr 10, 2023  
CA 2,801,215  
CA 2,825,761  
CA 2,826,371  
CA 2,837,541  
CA 2,838,219  
CA 3,027,092  
CA 3,056,869  
CA 3,056,874  
CH (EP 2,216,995) - Exp. Apr 10, 2023  
CH (EP 2,775,717)  
CH (EP 3,598,753)  
CH (EP 3,598,754)  
CH (EP 3,614,670)  
CN 1271865 - Exp. Apr 9, 2023  
CN 100542291 - Exp. Apr 9, 2023  
CN 107071463  
CN 107071467  
CN 107231555B  
CN 201280000774.3  
CN 201280006778.2  
CN 201280007824  
CN 201280025983.3  
CN 201280027508.X  
CN 201510828803.0  
CN 201510828833.1

CN 201610836384.X	EE (EP 3,197,162)	GB (EP 2,680,583)
CN 201710112670.6	EE (EP 3,310,060)	GB (EP 2,736,253)
CN 201710114620.1	EE (EP 3,598,753)	GB (EP 2,775,717)
CN 201710201390.2	EE (EP 3,598,754)	GB (EP 2,779,644)
CN 201710201421.4	EE (EP 3,599,766)	GB (EP 3,139,617)
CN 201710201598.4	EE (EP 3,614,670)	GB (EP 3,174,298)
CN 201710473621.5	EE (EP 3,661,201)	GB (EP 3,174,299)
CN 201710473661.X	ES (EP 1,499,133) - Exp. Apr 10, 2023	GB (EP 3,197,162)
CN 201710473692.5	ES (EP 1,821,546) - Exp. Apr 10, 2023	GB (EP 3,310,060)
CY (EP 3,598,753)	ES (EP 2,216,995) - Exp. Apr 10, 2023	GB (EP 3,598,753)
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CY (EP 3,599,766)	ES (EP 2,680,583)	GB (EP 3,599,766)
CY (EP 3,614,670)	ES (EP 2,736,253)	GB (EP 3,614,670)
CZ (EP 2,680,583)	ES (EP 2,775,717)	GB (EP 3,661,201)
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CZ (EP 2,775,717)	ES (EP 3,139,617)	HU (EP 2,736,253)
CZ (EP 3,174,298)	ES (EP 3,174,298)	HU (EP 2,775,717)
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CZ (EP 3,599,766)	ES (EP 3,599,766)	HU (EP 3,598,754)
CZ (EP 3,614,670)	ES (EP 3,614,670)	HU (EP 3,599,766)
CZ (EP 3,661,201)	ES (EP 3,661,201)	HU (EP 3,614,670)
DE (EP 1,499,133) - Exp. Apr 10, 2023	FI (EP 1,499,133) - Exp. Apr 10, 2023	HU (EP 3,661,201)
DE (EP 1,821,546) - Exp. Apr 10, 2023	FI (EP 2,216,997) - Exp. Apr 10, 2023	ID 20546 - Exp. Apr 10, 2023
DE (EP 2,216,995) - Exp. Apr 10, 2023	FR (EP 1,499,133) - Exp. Apr 10, 2023	ID P000051542
DE (EP 2,216,997) - Exp. Apr 10, 2023	FR (EP 1,821,546) - Exp. Apr 10, 2023	IE (EP 3,598,753)
DE (EP 2,680,583)	FR (EP 2,216,995) - Exp. Apr 10, 2023	IE (EP 3,598,754)
DE (EP 2,736,253)	FR (EP 2,216,997) - Exp. Apr 10, 2023	IE (EP 3,614,670)
DE (EP 2,775,717)	FR (EP 2,680,583)	IN 249851 - Exp. Apr 9, 2023
DE (EP 2,779,644)	FR (EP 2,736,253)	IN 305791 - Exp. Apr 9, 2023
DE (EP 3,139,617)	FR (EP 2,775,717)	IN 312,295
DE (EP 3,174,298)	FR (EP 2,779,644)	IN 339840 - Exp. Apr 9, 2023
DE (EP 3,174,299)	FR (EP 3,139,617)	IN 392032
DE (EP 3,197,162)	FR (EP 3,174,298)	IT (EP 1,499,133) - Exp. Apr 10, 2023
DE (EP 3,310,060)	FR (EP 3,174,299)	IT (EP 1,821,546) - Exp. Apr 10, 2023
DE (EP 3,598,753)	FR (EP 3,197,162)	IT (EP 2,216,995) - Exp. Apr 10, 2023
DE (EP 3,598,754)	FR (EP 3,310,060)	IT (EP 2,216,997) - Exp. Apr 10, 2023
DE (EP 3,599,766)	FR (EP 3,598,753)	IT (EP 2,680,583)
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EE (EP 2,736,253)	GB (EP 1,499,133) - Exp. Apr 10, 2023	IT (EP 3,174,298)
EE (EP 2,775,717)	GB (EP 1,821,546) - Exp. Apr 10, 2023	IT (EP 3,174,299)
EE (EP 3,174,298)	GB (EP 2,216,995) - Exp. Apr 10, 2023	IT (EP 3,197,162)
EE (EP 3,174,299)	GB (EP 2,216,997) - Exp. Apr 10, 2023	IT (EP 3,310,060)



IT (EP 3,598,753)	LT (EP 3,598,754)	PL (EP 3,197,162)
IT (EP 3,598,754)	LT (EP 3,599,766)	PL (EP 3,310,060)
IT (EP 3,599,766)	LT (EP 3,614,670)	PL (EP 3,598,753)
IT (EP 3,614,670)	LT (EP 3,661,201)	PL (EP 3,598,754)
IT (EP 3,661,201)	LU (EP 3,598,753)	PL (EP 3,599,766)
JP 4,130,783 - Exp. Apr 8, 2023	LU (EP 3,598,754)	PL (EP 3,614,670)
JP 5,325,360	LU (EP 3,614,670)	PL (EP 3,661,201)
JP 5,342,069	MC (EP 3,598,753)	RU 2,606,304
JP 5,391,367	MC (EP 3,598,754)	RU 2,607,619
JP 5,405,690	MC (EP 3,614,670)	RU 2,610,249
JP 5,415,656	MK (EP 3,598,753)	RU 2,714,377
JP 5,422,773	MK (EP 3,598,754)	SE (EP 2,216,995) - Exp. Apr 10, 2023
JP 5,450,883	MK (EP 3,599,766)	SG 187631
JP 5,521,101	MK (EP 3,614,670)	SG 192641
JP 5,531,150	MT (EP 3,598,753)	SG 195276
JP 5,843,818	MT (EP 3,598,754)	SI (EP 3,598,753)
JP 5,970,441	MT (EP 3,599,766)	SI (EP 3,598,754)
JP 5,970,442	MT (EP 3,614,670)	SI (EP 3,614,670)
JP 6,042,304	MX 239456 - Exp. Apr 10, 2023	SK (EP 2,680,583)
JP 6,106,032	MX 264923 - Exp. Apr 10, 2023	SK (EP 2,736,253)
JP 6,125,408	MX 319,993	SK (EP 2,775,717)
JP 6,158,649	MX 322,022	SK (EP 3,174,298)
JP 6,216,021	MX 327,619	SK (EP 3,174,299)
JP 6,298,555	MX 328,168	SK (EP 3,197,162)
JP 6,305,590	MX 329,313	SK (EP 3,310,060)
JP 6,305,591	MX 331,496	SK (EP 3,598,753)
JP 6,313,501	MY 136,457 - Exp. Apr 21, 2023	SK (EP 3,598,754)
JP 6,346,346	MY-164594-A	SK (EP 3,599,766)
JP 6,498,811	MY-165342-A	SK (EP 3,614,670)
KR 947,689 - Exp. Apr 10, 2023	MY 165702-A	SK (EP 3,661,201)
KR 947,692 - Exp. Apr 10, 2023	MY 176011-A	TH 72994
KR 1,954,461	NL (EP 1,499,133) - Exp. Apr 10, 2023	TH 80976 - Exp. Apr 22, 2023
KR 2,013,460	NL (EP 1,821,546) - Exp. Apr 10, 2023	TR (EP 1,499,133) - Exp. Apr 10, 2023
KR 2,023,210	NL (EP 2,216,995) - Exp. Apr 10, 2023	TR (EP 2,216,997) - Exp. Apr 10, 2023
KR 2,030,977	NL (EP 2,216,997) - Exp. Apr 10, 2023	TR (EP 2,775,717)
KR 2,049,308	NL (EP 2,775,717)	TR (EP 3,598,753)
KR 2,073,868	NL (EP 2,779,644)	TR (EP 3,598,754)
LI (EP 2,216,995) - Exp. Apr 10, 2023	NL (EP 3,139,617)	TR (EP 3,614,670)
LI (EP 2,775,717)	PH 1-2013-501675	TW 281353 - Exp. Apr 21, 2023
LI (EP 3,598,753)	PH 1-2013-502459	TW I547149
LI (EP 3,598,754)	PH 1-2013-502507	TW I547152
LI (EP 3,614,670)	PH 1-2016-502481	TW I559734
LT (EP 2,680,583)	PL (EP 2,680,583)	TW I562595
LT (EP 2,736,253)	PL (EP 2,736,253)	TW I562643
LT (EP 3,174,298)	PL (EP 2,775,717)	TW I574555
LT (EP 3,174,299)	PL (EP 2,779,644)	TW I580247
LT (EP 3,197,162)	PL (EP 3,139,617)	TW I583184
LT (EP 3,310,060)	PL (EP 3,174,298)	TW I604717
LT (EP 3,598,753)	PL (EP 3,174,299)	TW I661713

US 7,394,853	GB (EP 2,080,275)
US 8,155,200	JP 5,640,104
US 8,213,510	JP 5,697,332
US 8,649,620	JP 5,752,268
US 8,781,001	JP 5,769,740
US 8,787,467	JP 5,926,856
US 8,804,823	JP 6,026,443
US 8,942,288	JP 6,145,127
US 8,958,473	US 8,594,202
US 9,020,037 - Exp. Apr 9, 2023	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.**

AU 2007-230602  
AU 2012-201235  
AU 2012-202123  
AU 2012-205813  
AU 2013-243822  
AU 2016-203203  
AU 2006 321552  
AU 2012 216587  
AU 2012 226283  
CA 2,633,819  
CA 2,666,601  
CA 2,763,089  
CA 2,824,027  
CA 2,829,290  
CA 2,869,132  
CN 101371312  
CN 103314591  
CN 104205813B  
CN 105049894  
CN 200780011497.5  
CN 201280012331.6  
CN 201710165116  
DE (EP 2,080,275)  
FR (EP 2,080,275)

**Expired Patents****Apple Inc.**

US 7,551,674 - Exp. Nov 7, 2022  
US 8,090,023 - Exp. Feb 14, 2023  
US 8,090,026 - Exp. Jan 3, 2023  
US 8,094,724 - Exp. Jan 3, 2023  
US 8,094,729 - Exp. Feb 14, 2023  
US 8,630,339 - Exp. Jan 3, 2023  
US 8,711,924 - Exp. Nov 7, 2022  
US 8,737,462 - Exp. Nov 7, 2022  
US 8,737,468 - Exp. Jan 3, 2023  
US 8,737,484 - Exp. Dec 19, 2022  
US 8,743,951 - Exp. Nov 7, 2022  
US 8,817,883 - Exp. Nov 7, 2022  
US 8,831,106 - Exp. Nov 7, 2022  
US 8,837,580 - Exp. Jan 3, 2023  
US 8,837,597 - Exp. Nov 7, 2022

**Beijing Xiaomi Mobile Software Co., Ltd.**

DE (EP 3,169,050) - Exp. Feb 17, 2023  
ES (EP 3,169,050) - Exp. Feb 17, 2023  
FR (EP 3,169,050) - Exp. Feb 17, 2023  
GB (EP 3,169,050) - Exp. Feb 17, 2023  
IT (EP 3,169,050) - Exp. Feb 17, 2023  
US 7,155,055 - Exp. Mar 26, 2022

**Canon Inc.**

RU 2,551,800 - Exp. Feb 27, 2023  
RU 2,551,801 - Exp. Jan 12, 2023  
RU 2,556,386 - Exp. Jan 11, 2023  
RU 2,564,252 - Exp. Mar 8, 2023  
RU 2,577,471 - Exp. Jan 18, 2023  
RU 2,586,862 - Exp. Nov 7, 2022  
RU 2,586,863 - Exp. Nov 7, 2022  
RU 2,589,402 - Exp. Aug 16, 2022  
RU 2,600,530 - Exp. Jan 11, 2023  
RU 2,603,500 - Exp. Feb 27, 2023  
RU 2,613,736 - Exp. Jan 12, 2023  
RU 2,627,301 - Exp. Oct 23, 2022  
RU 2,634,212 - Exp. Nov 5, 2022  
RU 2,636,666 - Exp. Nov 7, 2022  
RU 2,640,737 - Exp. Jan 18, 2023  
RU 2,642,329 - Exp. Mar 8, 2023  
RU 2,643,450 - Exp. Aug 16, 2022

RU 2,644,127 - Exp. Jan 18, 2023  
RU 2,651,181 - Exp. Jan 11, 2023  
RU 2,663,199 - Exp. Oct 23, 2022  
RU 2,663,353 - Exp. Feb 27, 2023  
RU 2,666,319 - Exp. Jan 18, 2023  
RU 2,668,727 - Exp. Jan 12, 2023  
RU 2,668,729 - Exp. Nov 5, 2022  
RU 2,675,150 - Exp. Jan 18, 2023  
RU 2,676,410 - Exp. Nov 7, 2022  
RU 2,684,478 - Exp. Nov 7, 2022  
RU 2,684,753 - Exp. Aug 16, 2022  
RU 2,685,247 - Exp. Oct 23, 2022  
RU 2,686,027 - Exp. Feb 27, 2023  
RU 2,688,252 - Exp. Jan 11, 2023  
RU 2,688,266 - Exp. Feb 27, 2023  
RU 2,690,218 - Exp. Jan 12, 2023  
RU 2,690,760 - Exp. Jan 18, 2023  
RU 2,691,190 - Exp. Jan 18, 2023  
RU 2,695,531 - Exp. Nov 5, 2022  
RU 2,696,252 - Exp. Sep 12, 2022  
RU 2,696,340 - Exp. Jan 18, 2023  
RU 2,697,615 - Exp. Jan 18, 2023  
RU 2,697,621 - Exp. Jan 18, 2023  
RU 2,701,054 - Exp. Jan 12, 2023  
RU 2,701,130 - Exp. Nov 7, 2022  
RU 2,701,455 - Exp. Mar 8, 2023  
RU 2,702,054 - Exp. Nov 7, 2022  
RU 2,706,236 - Exp. Oct 23, 2022  
RU 2,707,926 - Exp. Nov 7, 2022  
RU 2,708,351 - Exp. Nov 7, 2022  
RU 2,708,440 - Exp. Aug 16, 2022  
RU 2,709,158 - Exp. Jan 11, 2023  
RU 2,716,535 - Exp. Nov 7, 2022  
RU 2,718,424 - Exp. Nov 5, 2022  
RU 2,720,560 - Exp. Aug 16, 2022  
RU 2,722,536 - Exp. Sep 12, 2022  
RU 2,732,534 - Exp. Mar 8, 2023  
RU 2,732,673 - Exp. Sep 12, 2022  
RU 2,733,206 - Exp. Oct 23, 2022  
RU 2,738,256 - Exp. Sep 12, 2022  
RU 2,740,783 - Exp. Mar 8, 2023  
RU 2,746,746 - Exp. Nov 5, 2022

**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

**Industry-Academy Cooperation Foundation of Sejong University**

PH 1,502,323 - Exp. Dec 23, 2020  
TW I260930 - Exp. Aug 21, 2020

**M&K Holdings Inc.**

HR (EP 2,988,501) - Exp. Jan 29, 2018

**NEWRACOM, Inc.**

KR 166,264 - Exp. Oct 31, 2015

Orange SA

US 8,917,357 - Exp. Feb 12, 2018

DE (EP 1,230,736) - Exp. Nov 2, 2020  
FR (EP 1,230,736) - Exp. Nov 2, 2020  
GB (EP 1,230,736) - Exp. Nov 2, 2020  
JP 4,836,379 - Exp. Nov 2, 2020  
US 6,812,873 - Exp. Dec 7, 2020

Siemens Corp.

CA 2,406,164 - Exp. Apr 9, 2021  
CN 1122419C - Exp. Jun 30, 2019  
CN 1204752 - Exp. Apr 8, 2021  
CN 1297146 - Exp. Sep 10, 2022  
DE (EP 1,110,407) - Exp. Jul 1, 2019  
DE (EP 1,279,291) - Exp. Apr 9, 2021  
DE 10143063 - Exp. Sep 3, 2021  
DE 10225434 - Exp. Jun 7, 2022  
FR (EP 1,110,407) - Exp. Jul 1, 2019  
FR (EP 1,279,291) - Exp. Apr 9, 2021  
FR 2737931 - Exp. Aug 9, 2016  
GB (EP 1,110,407) - Exp. Jul 1, 2019  
GB (EP 1,279,291) - Exp. Apr 9, 2021  
GB 2304485 - Exp. Aug 15, 2016  
IT (EP 1,110,407) - Exp. Jul 1, 2019  
RU 2270530 - Exp. Apr 9, 2021  
US 6,115,503 - Exp. Jul 2, 2017  
US 7,068,721 - Exp. Mar 21, 2022  
US 9,860,564 - Exp. Sep 10, 2022

The Trustees of Columbia  
University in the City of New  
York

CA 2,281,538 - Exp. Feb 13, 2018  
CH (EP 1,209,915) - Exp. Feb 13, 2018  
DE (EP 1,209,915) - Exp. Feb 13, 2018  
ES (EP 1,209,915) - Exp. Feb 13, 2018  
FI (EP 1,209,915) - Exp. Feb 13, 2018  
FR (EP 1,209,915) - Exp. Feb 13, 2018  
GB (EP 1,209,915) - Exp. Feb 13, 2018  
IT (EP 1,209,915) - Exp. Feb 13, 2018  
JP 4,393,591 - Exp. Feb 13, 2018  
LI (EP 1,209,915) - Exp. Feb 13, 2018  
SE (EP 1,209,915) - Exp. Feb 13, 2018  
US 7,199,836 - Exp. Feb 12, 2018  
US 8,115,873 - Exp. Feb 12, 2018  
US 8,531,608 - Exp. Feb 12, 2018  
US 8,854,552 - Exp. Feb 12, 2018

## Addendum of Patents of Terminated Licensors

Each patent listed below was contributed to the HEVC Patent Portfolio Licensing Program by an entity that has terminated as a licensor from the HEVC Patent Portfolio Licensing Program. For as long as they continue to be a Licensee, those Licensees with an HEVC Patent Portfolio License in effect prior to the date of termination retain their license under the respective patent and all HEVC Essential Patents that the Licensor and its Affiliates presently or in the future has the right to license or sublicense after the indicated termination date.

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

AT (EP 2,840,791)	GB (EP 3,217,665)	KR 1,423,735
BE (EP 2,840,791)	GB (EP 3,343,920)	KR 1,425,180
CA 3,026,266	ID P000055563	KR 1,428,030
CA 3,026,271	IE (EP 3,217,665)	KR 1,435,557
CH (EP 2,723,078)	IT (EP 2,757,791)	KR 1,435,558
CH (EP 2,840,791)	IT (EP 2,840,791)	KR 1,442,785
CH (EP 3,217,665)	IT (EP 3,343,920)	KR 1,451,918
CN 104994395	JP 5,583,840	KR 1,451,919
CN 201080057535.2	JP 5,593,397	KR 1,451,920
CN 201280015709.8	JP 5,620,641	KR 1,451,921
CN 201280058538.7	JP 5,674,752	KR 1,456,279
CN 201310333124.7	JP 5,756,537	KR 1,461,498
CN 201310334175.1	JP 5,886,446	KR 1,461,499
CN 201380025824.8	JP 5,911,890	KR 1,461,500
CN 201410069312.8	JP 5,933,815	KR 1,461,501
CN 201410069596.0	JP 5,976,793	KR 1,477,771
DE (EP 2,723,078)	JP 5,982,421	KR 1,477,772
DE (EP 2,757,791)	JP 6,005,762	KR 1,488,493
DE (EP 2,840,791)	JP 6,101,709	KR 1,488,494
DE (EP 3,217,665)	JP 6,140,269	KR 1,488,495
DE (EP 3,343,920)	JP 6,163,229	KR 1,488,497
DK (EP 2,723,078)	JP 6,163,230	KR 1,488,498
DK (EP 3,217,665)	JP 6,163,574	KR 1,488,499
ES (EP 2,757,791)	JP 6,163,575	KR 1,502,758
ES (EP 2,840,791)	JP 6,163,576	KR 1,527,085
ES (EP 3,343,920)	JP 6,186,026	KR 1,527,086
FI (EP 2,723,078)	JP 6,203,878	KR 1,527,087
FR (EP 2,723,078)	JP 6,224,162	KR 1,527,442
FR (EP 2,757,791)	JP 6,224,163	KR 1,527,445
FR (EP 2,840,791)	JP 6,313,497	KR 1,529,475
FR (EP 3,343,920)	JP 6,422,922	KR 1,569,034
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**Electronics and  
Telecommunications Research  
Institute and Korea Advanced  
Institute of Science and  
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(terminated January 2, 2020)**

CN 106101730  
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**Electronics and  
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Foundation of Korea Aerospace  
University (terminated January  
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CA 2,849,004  
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Electronics and  
Telecommunications Research  
Institute and University-  
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Kyung Hee University  
(terminated January 2, 2020)

AU 2016200779  
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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)

CN 201310301386.5  
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Intellectual Discovery Co., LTD.  
(terminated January 2, 2020)

CN 201180067417.4  
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**JVCKENWOOD Corporation**  
**(terminated March 30, 2023)**

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IT (EP 3,716,621)	JP 5,696,757	JP 5,839,143
IT (EP 3,833,022)	JP 5,696,758	JP 5,839,144
IT (EP 3,833,023)	JP 5,696,759	JP 5,839,145
JP 5,246,303	JP 5,696,760	JP 5,842,803
JP 5,252,029	JP 5,720,751	JP 5,843,039
JP 5,252,032	JP 5,725,006	JP 5,843,040
JP 5,402,995	JP 5,725,009	JP 5,843,041
JP 5,477,340	JP 5,725,103	JP 5,843,042
JP 5,477,343	JP 5,725,104	JP 5,846,132
JP 5,488,666	JP 5,725,105	JP 5,846,133
JP 5,561,348	JP 5,725,106	JP 5,846,327
JP 5,614,381	JP 5,725,107	JP 5,846,328

**Addendum of Patents of Terminated  
Licensors**

JP 5,846,329	JP 6,004,134	JP 6,274,337
JP 5,846,330	JP 6,004,135	JP 6,274,338
JP 5,853,841	JP 6,004,136	JP 6,315,133
JP 5,853,842	JP 6,004,137	JP 6,315,134
JP 5,854,110	JP 6,020,323	JP 6,315,135
JP 5,858,109	JP 6,020,760	JP 6,315,136
JP 5,858,110	JP 6,020,761	JP 6,315,137
JP 5,858,111	JP 6,020,762	JP 6,315,138
JP 5,858,112	JP 6,020,763	JP 6,376,260
JP 5,858,191	JP 6,036,974	JP 6,418,300
JP 5,858,192	JP 6,036,975	JP 6,443,569
JP 5,858,193	JP 6,036,976	JP 6,443,570
JP 5,858,194	JP 6,064,580	JP 6,620,867
JP 5,862,821	JP 6,064,581	JP 6,798,598
JP 5,862,822	JP 6,070,872	KR 1,571,947
JP 5,862,823	JP 6,070,873	KR 1,588,143
JP 5,862,824	JP 6,070,874	KR 1,589,388
JP 5,874,790	JP 6,070,875	KR 1,590,733
JP 5,874,791	JP 6,079,918	KR 1,598,306
JP 5,874,792	JP 6,079,919	KR 1,617,974
JP 5,874,793	JP 6,090,487	KR 1,637,142
JP 5,880,613	JP 6,090,488	KR 1,640,357
JP 5,884,697	JP 6,090,512	KR 1,668,575
JP 5,884,761	JP 6,090,515	KR 1,668,583
JP 5,884,936	JP 6,090,516	KR 1,672,662
JP 5,884,937	JP 6,090,517	KR 1,675,707
JP 5,884,938	JP 6,090,518	KR 1,677,003
JP 5,884,939	JP 6,094,657	KR 1,678,347
JP 5,884,940	JP 6,094,658	KR 1,681,011
JP 5,884,941	JP 6,112,031	KR 1,711,355
JP 5,884,942	JP 6,112,248	KR 1,729,429
JP 5,884,943	JP 6,119,944	KR 1,729,463
JP 5,900,307	JP 6,135,800	KR 1,742,449
JP 5,900,308	JP 6,135,801	KR 1,742,932
JP 5,907,192	JP 6,135,802	KR 1,744,468
JP 5,935,959	JP 6,135,803	KR 1,777,097
JP 5,942,782	JP 6,179,633	KR 1,809,879
JP 5,958,165	JP 6,183,509	KR 1,809,880
JP 5,962,875	JP 6,183,510	KR 1,809,881
JP 5,962,876	JP 6,183,511	KR 1,832,682
JP 5,962,877	JP 6,183,512	KR 1,842,851
JP 5,975,146	JP 6,233,489	KR 2,103,682
JP 5,979,189	JP 6,233,490	KR 2,200,578
JP 5,979,190	JP 6,252,654	KR 2,279,115
JP 5,979,191	JP 6,252,663	KR 2,365,353
JP 5,979,192	JP 6,252,664	LI (EP 2,717,574)
JP 5,987,767	JP 6,264,476	LI (EP 2,793,467)
JP 5,987,768	JP 6,274,336	LI (EP 2,802,146)



LI (EP 2,838,260)	NL (EP 3,416,384)	PL (EP 3,503,554)
LI (EP 2,838,261)	NL (EP 3,416,385)	PL (EP 3,515,073)
LI (EP 2,981,087)	NL (EP 3,419,289)	PL (EP 3,515,077)
LI (EP 3,249,926)	NL (EP 3,419,290)	PL (EP 3,515,078)
LI (EP 3,416,383)	NL (EP 3,422,714)	PL (EP 3,515,079)
LI (EP 3,416,384)	NL (EP 3,503,554)	PL (EP 3,515,080)
LI (EP 3,416,385)	NL (EP 3,515,073)	PL (EP 3,654,651)
LI (EP 3,419,289)	NL (EP 3,515,077)	PL (EP 3,697,090)
LI (EP 3,419,290)	NL (EP 3,515,078)	PL (EP 3,697,091)
LI (EP 3,422,714)	NL (EP 3,515,079)	PL (EP 3,697,092)
LI (EP 3,503,554)	NL (EP 3,515,080)	PL (EP 3,703,370)
LI (EP 3,515,073)	NL (EP 3,654,651)	PL (EP 3,703,371)
LI (EP 3,515,077)	NL (EP 3,697,090)	PL (EP 3,716,621)
LI (EP 3,515,078)	NL (EP 3,697,091)	PL (EP 3,833,022)
LI (EP 3,515,079)	NL (EP 3,697,092)	PL (EP 3,833,023)
LI (EP 3,515,080)	NL (EP 3,703,370)	RO (EP 2,717,574)
LI (EP 3,654,651)	NL (EP 3,703,371)	RO (EP 2,838,260)
LI (EP 3,697,090)	NL (EP 3,716,621)	RO (EP 3,515,077)
LI (EP 3,697,091)	NL (EP 3,833,022)	RO (EP 3,515,078)
LI (EP 3,697,092)	NL (EP 3,833,023)	RO (EP 3,515,079)
LI (EP 3,703,370)	NO (EP 3,515,077)	RO (EP 3,654,651)
LI (EP 3,703,371)	NO (EP 3,697,090)	RO (EP 3,697,090)
LI (EP 3,716,621)	NO (EP 3,697,091)	RO (EP 3,697,091)
LI (EP 3,833,022)	NO (EP 3,697,092)	RO (EP 3,697,092)
LI (EP 3,833,023)	NO (EP 3,703,371)	RO (EP 3,703,370)
MX 339,686	NO (EP 3,716,621)	RO (EP 3,703,371)
MX 346,521	NO (EP 3,833,022)	RO (EP 3,716,621)
MX 363,851	NO (EP 3,833,023)	RO (EP 3,833,022)
MX 386,960	PA 90377	RO (EP 3,833,023)
MY-162891-A	PE 001633-2014/DIN	RU 2579665
MY-162892-A	PH 1-2014-502137	RU 2582864
MY-166213-A	PH 1-2017-500788	RU 2589297
MY-172793-A	PH 1-2017-500789	RU 2,594,985
MY-177865-A	PH 1-2017-500790	RU 2595891
MY-183790-A	PH 1-2017-500791	RU 2598302
NG/PT/C/2014/627	PL (EP 2,717,574)	RU 2606399
NG/PT/C/2015/1215	PL (EP 2,793,467)	RU 2617920
NG/PT/C/2015/1217	PL (EP 2,802,146)	RU 2623796
NG/PT/C/2015/1218	PL (EP 2,838,260)	RU 2628185
NG/PT/C/2015/1219	PL (EP 2,838,261)	RU 2629359
NL (EP 2,717,574)	PL (EP 2,981,087)	RU 2630886
NL (EP 2,793,467)	PL (EP 3,249,926)	RU 2633175
NL (EP 2,802,146)	PL (EP 3,416,383)	RU 2633179
NL (EP 2,838,260)	PL (EP 3,416,384)	RU 2636688
NL (EP 2,838,261)	PL (EP 3,416,385)	RU 2639266
NL (EP 2,981,087)	PL (EP 3,419,289)	RU 2639665
NL (EP 3,249,926)	PL (EP 3,419,290)	RU 2639937
NL (EP 3,416,383)	PL (EP 3,422,714)	RU 2639939

RU 2,651,834	SE (EP 3,833,022)	TR (EP 2,717,574)
RU 2,654,516	SE (EP 3,833,023)	TR (EP 2,793,467)
RU 2,658,146	SG 10201505293U	TR (EP 2,802,146)
RU 2,662,393	SG 10201806313V	TR (EP 2,838,260)
RU 2,666,275	SG 10202002472R	TR (EP 2,838,261)
RU 2667053	SG 11201405947Y	TR (EP 2,981,087)
RU 2668390	SI (EP 2,717,574)	TR (EP 3,249,926)
RU 2668399	SI (EP 2,802,146)	TR (EP 3,416,383)
RU 2668523	SI (EP 2,838,260)	TR (EP 3,416,384)
RU 2,678,507	SI (EP 2,838,261)	TR (EP 3,416,385)
RU 2,679,215	SI (EP 2,981,087)	TR (EP 3,419,289)
RU 2,679,216	SI (EP 3,249,926)	TR (EP 3,419,290)
RU 2,679,552	SI (EP 3,503,554)	TR (EP 3,422,714)
RU 2,682,368	SI (EP 3,515,078)	TR (EP 3,503,554)
RU 2,683,687	SI (EP 3,515,079)	TR (EP 3,515,073)
RU 2,687,218	SI (EP 3,654,651)	TR (EP 3,515,077)
RU 2,688,149	SI (EP 3,697,090)	TR (EP 3,515,078)
RU 2,689,377	SI (EP 3,697,091)	TR (EP 3,515,079)
RU 2,689,808	SI (EP 3,697,092)	TR (EP 3,515,080)
RU 2,693,316	SI (EP 3,703,370)	TR (EP 3,654,651)
RU 2,697,386	SI (EP 3,703,371)	TR (EP 3,697,090)
RU 2,697,806	SI (EP 3,716,621)	TR (EP 3,697,091)
RU 2,697,927	SI (EP 3,833,022)	TR (EP 3,697,092)
RU 2,699,388	SI (EP 3,833,023)	TR (EP 3,703,370)
RU 2,705,650	SK (EP 2,717,574)	TR (EP 3,703,371)
RU 2,707,411	SK (EP 2,838,260)	TR (EP 3,716,621)
RU 2,708,295	SK (EP 2,838,261)	TR (EP 3,833,022)
RU 2,708,359	SK (EP 3,416,383)	TR (EP 3,833,023)
RU 2,708,360	SK (EP 3,416,384)	TW I487333
RU 2,708,506	SK (EP 3,416,385)	TW I521951
RU 2,713,848	SK (EP 3,419,289)	TW I523496
SE (EP 2,717,574)	SK (EP 3,419,290)	TW I524741
SE (EP 2,793,467)	SK (EP 3,422,714)	TW I526056
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SE (EP 2,838,260)	SK (EP 3,515,073)	TW I548280
SE (EP 2,838,261)	SK (EP 3,515,077)	TW I552571
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SE (EP 3,249,926)	SK (EP 3,515,079)	TW I554079
SE (EP 3,503,554)	SK (EP 3,515,080)	TW I558176
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SE (EP 3,654,651)	SK (EP 3,697,091)	TW I562604
SE (EP 3,697,090)	SK (EP 3,697,092)	TW I562613
SE (EP 3,697,091)	SK (EP 3,703,370)	TW I562616
SE (EP 3,697,092)	SK (EP 3,703,371)	TW I562617
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SE (EP 3,703,371)	SK (EP 3,833,022)	TW I563826
SE (EP 3,716,621)	SK (EP 3,833,023)	TW I563827



**Addendum of Patents of Terminated  
Licensors**

TW I563832	TW I613908	US 9,667,973
TW I563835	TW I613911	US 9,667,977
TW I566581	TW I616091	US 9,667,986
TW I569634	TW I618403	US 9,667,989
TW I575935	TW I625961	US 9,674,545
TW I575941	TW I628951	US 9,674,549
TW I575945	TW I638564	US 9,681,134
TW I577183	TW I642296	US 9,681,149
TW I577184	TW I642298	US 9,686,550
TW I577185	TW I643490	US 9,686,564
TW I578759	TW I643493	US 9,686,566
TW I578760	TW I653878	US 9,693,075
TW I578764	TW I653880	US 9,706,208
TW I578766	TW I657696	US 9,706,211
TW I578768	TW I658723	US 9,729,895
TW I580248	TW I658724	US 9,736,491
TW I580258	TW I658725	US 9,743,089
TW I580259	TW I666915	US 9,743,101
TW I580260	TW I666917	US 9,743,104
TW I580261	TW I666924	US 9,781,444
TW I580262	TW I679876	US 9,794,576
TW I580263	TW I679877	US 9,800,873
TW I584635	TW I683571	US 9,800,890
TW I586145	TW I684354	US 9,807,413
TW I586146	TW I685249	US 9,807,420
TW I586147	TW I700923	US 9,848,189
TW I586153	TW I714349	US 9,848,195
TW I586154	TW I720750	US 9,854,266
TW I586155	TW I726579	US 9,866,864
TW I592010	TW I772725	US 9,866,865
TW I593277	TW I784916	US 9,872,025
TW I594619	US 8,891,620	US 9,872,029
TW I594623	US 8,938,003	US 9,872,030
TW I594624	US 8,976,867	US 9,872,031
TW I597967	US 8,982,956	US 9,872,037
TW I597972	US 9,179,164	US 9,872,038
TW I597973	US 9,191,680	US 9,877,021
TW I597976	US 9,204,147	US 9,877,027
TW I600315	US 9,363,521	US 9,894,358
TW I600316	US 9,363,529	US 9,894,363
TW I601416	US 9,369,716	US 9,894,364
TW I603611	US 9,516,314	US 9,900,596
TW I604719	US 9,516,318	US 9,900,600
TW I604722	US 9,615,109	US 9,906,796
TW I605707	US 9,635,381	US 9,906,809
TW I605708	US 9,661,342	US 9,906,810
TW I607649	US 9,661,343	US 9,906,811
TW I613906	US 9,667,966	US 9,912,963

US 9,918,100  
US 9,918,103  
US 9,924,194  
US 9,936,198  
US 10,009,607  
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US 10,070,146  
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US 10,171,814  
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US 10,271,063  
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VN 31602  
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

CN 105959691  
CN 105959692  
CN 201080014719.0  
JP 6,164,600  
JP 6,164,660  
KR 951,301  
KR 1,250,608  
KR 1,644,967  
KR 1,644,969  
KR 1,644,970  
KR 1,648,123  
US 9,485,512  
US 9,838,719  
US 9,838,720  
US 9,838,721  
US 9,838,722

**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  
AU 2016200045  
AU 2016210774  
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AU 2017201504  
AU 2017251808  
AU 2018202555  
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BR 112013017802-7  
BR 112013022386-3  
BR 112013028925-2  
BR 112013033572-6  
BR 122015017257-8

BR 122015024083-2  
BR 1120130128143  
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BR 1220150172543  
CA 2,819,014  
CA 2,829,034  
CA 2,834,193  
CA 2,834,409  
CA 2,876,110  
CA 2,897,373  
CA 2,909,242  
CA 2,909,259  
CN 107105260  
CN 108111847B  
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CN 201180034498.8  
CN 201180056856.5  
CN 201280005384.5  
CN 201280005386.4  
CN 201280012218.8  
CN 201280025580.9  
CN 201280025650.0  
CN 201310616846.3  
CN 201380033533.3  
CN 201510671048.X  
CN 201510672741.9  
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CN 201610006164.4  
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CN 201610311767.5  
CN 201610312083.7  
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CN 201710448272.1  
CN 201710448444.5  
CN 201710448723.1  
CN 201710448724.6

CN 201710448815.X	FR (EP 2,728,864)	ID 0057782
CN 201710448823.4	FR (EP 2,733,940)	ID P000058449
CN 201710983749.6	FR (EP 2,863,637)	ID P000058984
CN 201710984928.1	FR (EP 2,866,449)	ID 0064132
CN 201710985971.X	FR (EP 3,057,321)	ID 0065459
CN 201710987197.6	FR (EP 3,057,322)	ID 0066232
CZ (EP 2,728,864)	FR (EP 3,057,323)	ID 67448
CZ (EP 2,733,940)	FR (EP 3,264,764)	ID 0068046
CZ (EP 3,057,321)	FR (EP 3,264,765)	ID 69478
CZ (EP 3,057,322)	FR (EP 3,264,766)	ID 0071092
CZ (EP 3,057,323)	FR (EP 3,324,633)	IN 321,503
DE (EP 2,595,379)	FR (EP 3,324,634)	IN 323,975
DE (EP 2,645,714)	FR (EP 3,324,635)	IN 328,384
DE (EP 2,685,720)	GB (EP 2,595,379)	IN 353,164
DE (EP 2,688,298)	GB (EP 2,645,714)	IN 363729
DE (EP 2,728,864)	GB (EP 2,685,720)	IN 370,767
DE (EP 2,733,940)	GB (EP 2,688,298)	IN 375223
DE (EP 2,863,637)	GB (EP 2,728,864)	IN 379161
DE (EP 2,866,449)	GB (EP 2,733,940)	IN 381006
DE (EP 3,057,321)	GB (EP 2,863,637)	IN 403202
DE (EP 3,057,322)	GB (EP 2,866,449)	IT (EP 2,595,379)
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DE (EP 3,264,765)	GB (EP 3,057,323)	IT (EP 2,688,298)
DE (EP 3,264,766)	GB (EP 3,264,764)	IT (EP 2,728,864)
DE (EP 3,324,633)	GB (EP 3,264,765)	IT (EP 2,733,940)
DE (EP 3,324,634)	GB (EP 3,264,766)	IT (EP 2,863,637)
DE (EP 3,324,635)	GB (EP 3,324,633)	IT (EP 2,866,449)
ES (EP 2,645,714)	GB (EP 3,324,634)	IT (EP 3,057,321)
ES (EP 2,685,720)	GB (EP 3,324,635)	IT (EP 3,057,322)
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ES (EP 2,728,864)	HK 1186030	IT (EP 3,264,765)
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ES (EP 3,324,633)	ID P000051545	JP 5,807,638
ES (EP 3,324,634)	ID 0052253	JP 5,861,752
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FR (EP 2,645,714)	ID P000055907	JP 5,892,287
FR (EP 2,685,720)	ID P000055908	JP 5,900,414
FR (EP 2,688,298)	ID P000055934	JP 5,900,693

JP 5,900,694	KR 1,689,997	PL (EP 3,324,634)
JP 5,924,341	KR 1,694,667	PL (EP 3,324,635)
JP 5,958,634	KR 1,696,589	RU 2562432
JP 5,974,899	KR 1,726,147	RU 2566334
JP 5,994,911	KR 1,727,449	RU 2,571,404
JP 6,024,654	KR 1,738,322	RU 2,574,279
JP 6,065,069	KR 1,750,070	RU 2606306
JP 6,065,070	KR 1,751,671	RU 2608446
JP 6,065,095	KR 1,769,726	RU 2627099
JP 6,065,951	KR 1,781,774	RU 2627103
JP 6,065,952	KR 1,814,258	RU 2,633,170
JP 6,128,239	KR 1,814,259	RU 2,636,125
JP 6,142,943	KR 1,829,515	RU 2,638,009
JP 6,149,971	KR 1,840,579	RU 2,644,131
JP 6,172,324	KR 1,841,334	RU 2,647,682
JP 6,172,325	KR 1,843,624	RU 2,653,255
JP 6,172,326	KR 1,851,326	RU 2,653,256
JP 6,172,327	KR 1,865,014	RU 2,654,149
JP 6,172,328	KR 1,979,559	RU 2,662,392
JP 6,194,884	MX 324,233	RU 2,664,403
JP 6,213,636	MX 328,788	RU 2,679,116
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ZA 2013/07530  
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ZA 2016/00769  
ZA 2016/05507

**Nippon Telegraph and  
Telephone Corporation  
(terminated January 2, 2020)**

CN 101822062  
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**NTT DOCOMO, INC.  
(terminated January 2, 2020)**

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RU 2,652,500	SG 191,232	TR (EP 2,938,079)
RU 2,654,202	SG 191267	TR (EP 2,938,082)
RU 2658798	SG 191,754	TR (EP 2,942,965)
RU 2,658,880	SG 195,360	TR (EP 2,988,500)
RU 2,660,619	SK (EP 2,268,037)	TR (EP 2,996,334)
RU 2,664,389	SK (EP 2,549,758)	TR (EP 3,177,019)
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RU 2668719	SK (EP 2,656,507)	TW I225,360
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RU 2673393	SK (EP 2,770,737)	TW I244856
RU 2674928	SK (EP 2,899,982)	TW I469646





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DE (EP 2,713,618)	DK (EP 2,443,833)	DK (EP 2,940,997)
DE (EP 2,744,204)	DK (EP 2,452,493)	DK (EP 2,953,355)
DE (EP 2,773,109)	DK (EP 2,452,494)	DK (EP 2,953,356)
DE (EP 2804383)	DK (EP 2,489,186)	DK (EP 2,986,003)
DE (EP 2,811,745)	DK (EP 2,510,698)	DK (EP 2,996,337)
DE (EP 2,838,267)	DK (EP 2,545,710)	DK (EP 2,996,340)
DE (EP 2,838,270)	DK (EP 2545713)	DK (EP 2,996,341)
DE (EP 2,840,789)	DK (EP 2,580,912)	DK (EP 2,996,342)
DE (EP 2,858,366)	DK (EP 2,592,832)	DK (EP 2,999,224)
DE (EP 2,860,980)	DK (EP 2,594,075)	DK (EP 2,999,227)
DE (EP 2,863,639)	DK (EP 2,608,539)	DK (EP 3,059,708)
DE (EP 2,869,563)	DK (EP 2,629,527)	DK (EP 3,101,900)

DK (EP 3,101,901)	ES (EP 2,863,639)	FI (EP 2,608,539)
DK (EP 3,104,616)	ES (EP 2,869,563)	FI (EP 2,629,527)
DK (EP 3,104,617)	ES (EP 2,882,188)	FI (EP 2,629,528)
DK (EP 3,136,728)	ES (EP 2,884,749)	FI (EP 2,640,076)
DK (EP 3,136,729)	ES (EP 2,887,670)	FI (EP 2665267)
DK (EP 3,232,664)	ES (EP 2,890,123)	FI (EP 2,665,268)
DK (EP 3,282,707)	ES (EP 2,897,364)	FI (EP 2,712,198)
EE (EP 2,452,494)	ES (EP 2,897,365)	FI (EP 2712200)
EE (EP 2545713)	ES (EP 2,899,979)	FI (EP 2713617)
EE (EP 2,592,832)	ES (EP 2,903,273)	FI (EP 2,713,618)
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EE (EP 2665267)	ES (EP 2,905,962)	FI (EP 2804383)
EE (EP 2,665,268)	ES (EP 2,908,525)	FI (EP 2,811,745)
EE (EP 2,712,198)	ES (EP 2,911,398)	FI (EP 2,838,267)
EE (EP 2712200)	ES (EP 2,911,399)	FI (EP 2,838,270)
EE (EP 2713617)	ES (EP 2,911,400)	FI (EP 2,840,789)
EE (EP 2,713,618)	ES (EP 2,924,996)	FI (EP 2,858,366)
EE (EP 2804383)	ES (EP 2,940,996)	FI (EP 2,860,980)
ES (EP 2,443,833)	ES (EP 2,940,997)	FI (EP 2,863,639)
ES (EP 2,452,493)	ES (EP 2,953,355)	FI (EP 2,869,563)
ES (EP 2,452,494)	ES (EP 2,953,356)	FI (EP 2,882,188)
ES (EP 2,489,186)	ES (EP 2,986,003)	FI (EP 2,884,749)
ES (EP 2,510,698)	ES (EP 2,996,337)	FI (EP 2,887,670)
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ES (EP 2,580,912)	ES (EP 2,996,342)	FI (EP 2,897,365)
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ES (EP 2,629,527)	ES (EP 3,101,900)	FI (EP 2,903,279)
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ES (EP 2713617)	ES (EP 3,282,707)	FI (EP 2,940,996)
ES (EP 2,713,618)	FI (EP 2,443,833)	FI (EP 2,940,997)
ES (EP 2,744,204)	FI (EP 2,452,493)	FI (EP 2,953,355)
ES (EP 2,773,109)	FI (EP 2,452,494)	FI (EP 2,953,356)
ES (EP 2804383)	FI (EP 2,489,186)	FI (EP 2,986,003)
ES (EP 2,811,745)	FI (EP 2,510,698)	FI (EP 2,996,337)
ES (EP 2,838,267)	FI (EP 2,545,710)	FI (EP 2,996,340)
ES (EP 2,838,270)	FI (EP 2545713)	FI (EP 2,996,341)
ES (EP 2,840,789)	FI (EP 2,580,912)	FI (EP 2,996,342)
ES (EP 2,858,366)	FI (EP 2,592,832)	FI (EP 2,999,224)
ES (EP 2,860,980)	FI (EP 2,594,075)	FI (EP 2,999,227)

FI (EP 3,059,708)	FR (EP 2,903,273)	GB (EP 2713617)
FI (EP 3,101,900)	FR (EP 2,903,274)	GB (EP 2,713,618)
FI (EP 3,101,901)	FR (EP 2,903,279)	GB (EP 2,744,204)
FI (EP 3,104,616)	FR (EP 2,905,962)	GB (EP 2,773,109)
FI (EP 3,104,617)	FR (EP 2,908,525)	GB (EP 2804383)
FI (EP 3,136,728)	FR (EP 2,911,398)	GB (EP 2,811,745)
FI (EP 3,136,729)	FR (EP 2,911,399)	GB (EP 2,838,267)
FI (EP 3,232,664)	FR (EP 2,911,400)	GB (EP 2,838,270)
FI (EP 3,282,707)	FR (EP 2,924,996)	GB (EP 2,840,789)
FR (EP 2,443,833)	FR (EP 2,940,996)	GB (EP 2,858,366)
FR (EP 2,452,493)	FR (EP 2,940,997)	GB (EP 2,860,980)
FR (EP 2,452,494)	FR (EP 2,953,355)	GB (EP 2,863,639)
FR (EP 2,489,186)	FR (EP 2,953,356)	GB (EP 2,869,563)
FR (EP 2,510,698)	FR (EP 2,986,003)	GB (EP 2,882,188)
FR (EP 2,545,710)	FR (EP 2,996,337)	GB (EP 2,884,749)
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FR (EP 2,580,912)	FR (EP 2,996,341)	GB (EP 2,890,123)
FR (EP 2,592,832)	FR (EP 2,996,342)	GB (EP 2,897,364)
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FR (EP 2,608,539)	FR (EP 2,999,227)	GB (EP 2,899,979)
FR (EP 2,629,527)	FR (EP 3,059,708)	GB (EP 2,903,273)
FR (EP 2,629,528)	FR (EP 3,101,900)	GB (EP 2,903,274)
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FR (EP 2665267)	FR (EP 3,104,616)	GB (EP 2,905,962)
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FR (EP 2,712,198)	FR (EP 3,136,728)	GB (EP 2,911,398)
FR (EP 2,712,199)	FR (EP 3,136,729)	GB (EP 2,911,399)
FR (EP 2712200)	FR (EP 3,232,664)	GB (EP 2,911,400)
FR (EP 2713617)	FR (EP 3,282,707)	GB (EP 2,924,996)
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GB (EP 3,282,707)	GR (EP 2,940,997)	HR (EP 2,858,366)
GR (EP 2,443,833)	GR (EP 2,953,355)	HR (EP 2,860,980)
GR (EP 2,452,493)	GR (EP 2,953,356)	HR (EP 2,863,639)
GR (EP 2,452,494)	GR (EP 2,986,003)	HR (EP 2,869,563)
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GR (EP 2,510,698)	GR (EP 2,996,340)	HR (EP 2,884,749)
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IE (EP 2,580,912)	IE (EP 2,996,342)	IT (EP 2,545,710)
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IE (EP 2,860,980)	IN 203511	IT (EP 2,840,789)
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IE (EP 2,911,398)	IS (EP 2,665,268)	IT (EP 2,905,962)
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IE (EP 2,986,003)	IT (EP 2,452,493)	IT (EP 2,953,355)
IE (EP 2,996,337)	IT (EP 2,452,494)	IT (EP 2,953,356)
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IT (EP 3,101,900)	KE718	KR 1,564,423
IT (EP 3,101,901)	KE P/2016/002465	KR 1,575,004
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IT (EP 3,136,728)	KR 1,452,713	KR 1,598,142
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JP 5,205,441	KR 1,456,498	KR 1,703,327
JP 5,566,446	KR 1,456,499	KR 1,768,207
JP 5,571,827	KR 1,456,500	KR 1,821,703
JP 5,620,554	KR 1,457,396	LI (EP 2,443,833)
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JP 5,632,516	KR 1,457,894	LI (EP 2545713)
JP 5,639,687	KR 1,464,538	LI (EP 2,580,912)
JP 5,650,742	KR 1,470,923	LI (EP 2,592,832)
JP 5,654,597	KR 1,474,756	LI (EP 2,594,075)
JP 5,687,310	KR 1,477,545	LI (EP 2,608,539)
JP 5,688,123	KR 1,477,546	LI (EP 2,629,527)
JP 5,688,124	KR 1,477,621	LI (EP 2,629,528)
JP 5,711,244	KR 1,483,750	LI (EP 2,640,076)
JP 5,711,247	KR 1,484,280	LI (EP 2665267)
JP 5,711,248	KR 1,487,686	LI (EP 2,665,268)
JP 5,718,363	KR 1,487,687	LI (EP 2,712,198)
JP 5,727,114	KR 1,493,698	LI (EP 2712200)
JP 5,727,115	KR 1,493,699	LI (EP 2713617)
JP 5,735,646	KR 1,495,724	LI (EP 2,713,618)
JP 5,738,991	KR 1,495,725	LI (EP 2,744,204)
JP 5,739,571	KR 1,503,269	LI (EP 2,773,109)
JP 5,746,169	KR 1,503,270	LI (EP 2804383)
JP 5,746,170	KR 1,507,811	LI (EP 2,811,745)
JP 5,753,327	KR 1,510,108	LI (EP 2,838,267)
JP 5,753,328	KR 1,519,818	LI (EP 2,838,270)
JP 5,756,106	KR 1,522,850	LI (EP 2,840,789)
JP 5,767,387	KR 1,524,643	LI (EP 2,858,366)
JP 5,770,185	KR 1,529,992	LI (EP 2,860,980)

LI (EP 2,863,639)	LT (EP 2,594,075)	LT (EP 2,999,227)
LI (EP 2,869,563)	LT (EP 2,608,539)	LT (EP 3,059,708)
LI (EP 2,882,188)	LT (EP 2,629,527)	LT (EP 3,101,900)
LI (EP 2,884,749)	LT (EP 2,629,528)	LT (EP 3,101,901)
LI (EP 2,887,670)	LT (EP 2,640,076)	LT (EP 3,104,616)
LI (EP 2,890,123)	LT (EP 2665267)	LT (EP 3,104,617)
LI (EP 2,897,364)	LT (EP 2,665,268)	LT (EP 3,136,728)
LI (EP 2,897,365)	LT (EP 2,712,198)	LT (EP 3,136,729)
LI (EP 2,899,979)	LT (EP 2712200)	LT (EP 3,232,664)
LI (EP 2,903,273)	LT (EP 2713617)	LT (EP 3,282,707)
LI (EP 2,903,274)	LT (EP 2,713,618)	LU (EP 2,443,833)
LI (EP 2,903,279)	LT (EP 2,744,204)	LU (EP 2,452,493)
LI (EP 2,905,962)	LT (EP 2,773,109)	LU (EP 2,452,494)
LI (EP 2,908,525)	LT (EP 2804383)	LU (EP 2,489,186)
LI (EP 2,911,398)	LT (EP 2,811,745)	LU (EP 2,510,698)
LI (EP 2,911,399)	LT (EP 2,838,267)	LU (EP 2,545,710)
LI (EP 2,911,400)	LT (EP 2,838,270)	LU (EP 2545713)
LI (EP 2,924,996)	LT (EP 2,840,789)	LU (EP 2,580,912)
LI (EP 2,940,996)	LT (EP 2,858,366)	LU (EP 2,592,832)
LI (EP 2,940,997)	LT (EP 2,860,980)	LU (EP 2,594,075)
LI (EP 2,953,355)	LT (EP 2,863,639)	LU (EP 2,608,539)
LI (EP 2,953,356)	LT (EP 2,869,563)	LU (EP 2,629,527)
LI (EP 2,986,003)	LT (EP 2,882,188)	LU (EP 2,629,528)
LI (EP 2,996,337)	LT (EP 2,884,749)	LU (EP 2,640,076)
LI (EP 2,996,340)	LT (EP 2,887,670)	LU (EP 2665267)
LI (EP 2,996,341)	LT (EP 2,890,123)	LU (EP 2,665,268)
LI (EP 2,996,342)	LT (EP 2,897,364)	LU (EP 2,712,198)
LI (EP 2,999,224)	LT (EP 2,897,365)	LU (EP 2712200)
LI (EP 2,999,227)	LT (EP 2,899,979)	LU (EP 2713617)
LI (EP 3,059,708)	LT (EP 2,903,273)	LU (EP 2,713,618)
LI (EP 3,101,900)	LT (EP 2,903,274)	LU (EP 2,744,204)
LI (EP 3,101,901)	LT (EP 2,903,279)	LU (EP 2,773,109)
LI (EP 3,104,616)	LT (EP 2,905,962)	LU (EP 2804383)
LI (EP 3,104,617)	LT (EP 2,908,525)	LU (EP 2,811,745)
LI (EP 3,136,728)	LT (EP 2,911,398)	LU (EP 2,838,267)
LI (EP 3,136,729)	LT (EP 2,911,399)	LU (EP 2,838,270)
LI (EP 3,232,664)	LT (EP 2,911,400)	LU (EP 2,840,789)
LI (EP 3,282,707)	LT (EP 2,924,996)	LU (EP 2,858,366)
LK 17013	LT (EP 2,940,996)	LU (EP 2,860,980)
LT (EP 2,443,833)	LT (EP 2,940,997)	LU (EP 2,863,639)
LT (EP 2,452,493)	LT (EP 2,953,355)	LU (EP 2,869,563)
LT (EP 2,452,494)	LT (EP 2,953,356)	LU (EP 2,882,188)
LT (EP 2,489,186)	LT (EP 2,986,003)	LU (EP 2,884,749)
LT (EP 2,510,698)	LT (EP 2,996,337)	LU (EP 2,887,670)
LT (EP 2,545,710)	LT (EP 2,996,340)	LU (EP 2,890,123)
LT (EP 2545713)	LT (EP 2,996,341)	LU (EP 2,897,364)
LT (EP 2,580,912)	LT (EP 2,996,342)	LU (EP 2,897,365)
LT (EP 2,592,832)	LT (EP 2,999,224)	LU (EP 2,899,979)

LU (EP 2,903,273)	LV (EP 2,713,618)	MC (EP 2,452,494)
LU (EP 2,903,274)	LV (EP 2,744,204)	MC (EP 2545713)
LU (EP 2,903,279)	LV (EP 2,773,109)	MC (EP 2,592,832)
LU (EP 2,905,962)	LV (EP 2804383)	MC (EP 2,629,528)
LU (EP 2,908,525)	LV (EP 2,811,745)	MC (EP 2,640,076)
LU (EP 2,911,398)	LV (EP 2,838,267)	MC (EP 2665267)
LU (EP 2,911,399)	LV (EP 2,838,270)	MC (EP 2,665,268)
LU (EP 2,911,400)	LV (EP 2,840,789)	MC (EP 2,712,198)
LU (EP 2,924,996)	LV (EP 2,858,366)	MC (EP 2712200)
LU (EP 2,940,996)	LV (EP 2,860,980)	MC (EP 2713617)
LU (EP 2,940,997)	LV (EP 2,863,639)	MC (EP 2,713,618)
LU (EP 2,953,355)	LV (EP 2,869,563)	MC (EP 2804383)
LU (EP 2,953,356)	LV (EP 2,882,188)	MK (EP 2,443,833)
LU (EP 2,986,003)	LV (EP 2,884,749)	MK (EP 2,452,493)
LU (EP 2,996,337)	LV (EP 2,887,670)	MK (EP 2,452,494)
LU (EP 2,996,340)	LV (EP 2,890,123)	MK (EP 2,489,186)
LU (EP 2,996,341)	LV (EP 2,897,364)	MK (EP 2,510,698)
LU (EP 2,996,342)	LV (EP 2,897,365)	MK (EP 2,545,710)
LU (EP 2,999,224)	LV (EP 2,899,979)	MK (EP 2545713)
LU (EP 2,999,227)	LV (EP 2,903,273)	MK (EP 2,580,912)
LU (EP 3,059,708)	LV (EP 2,903,274)	MK (EP 2,592,832)
LU (EP 3,101,900)	LV (EP 2,903,279)	MK (EP 2,594,075)
LU (EP 3,101,901)	LV (EP 2,905,962)	MK (EP 2,608,539)
LU (EP 3,104,616)	LV (EP 2,908,525)	MK (EP 2,629,527)
LU (EP 3,104,617)	LV (EP 2,911,398)	MK (EP 2,629,528)
LU (EP 3,136,728)	LV (EP 2,911,399)	MK (EP 2,640,076)
LU (EP 3,136,729)	LV (EP 2,911,400)	MK (EP 2665267)
LU (EP 3,232,664)	LV (EP 2,924,996)	MK (EP 2,665,268)
LV (EP 2,443,833)	LV (EP 2,940,996)	MK (EP 2,712,198)
LV (EP 2,452,493)	LV (EP 2,940,997)	MK (EP 2712200)
LV (EP 2,452,494)	LV (EP 2,953,355)	MK (EP 2713617)
LV (EP 2,489,186)	LV (EP 2,953,356)	MK (EP 2,713,618)
LV (EP 2,510,698)	LV (EP 2,986,003)	MK (EP 2,744,204)
LV (EP 2,545,710)	LV (EP 2,996,337)	MK (EP 2,773,109)
LV (EP 2545713)	LV (EP 2,996,340)	MK (EP 2804383)
LV (EP 2,580,912)	LV (EP 2,996,341)	MK (EP 2,811,745)
LV (EP 2,592,832)	LV (EP 2,996,342)	MK (EP 2,838,267)
LV (EP 2,594,075)	LV (EP 2,999,224)	MK (EP 2,838,270)
LV (EP 2,608,539)	LV (EP 2,999,227)	MK (EP 2,840,789)
LV (EP 2,629,527)	LV (EP 3,059,708)	MK (EP 2,858,366)
LV (EP 2,629,528)	LV (EP 3,101,900)	MK (EP 2,860,980)
LV (EP 2,640,076)	LV (EP 3,101,901)	MK (EP 2,863,639)
LV (EP 2665267)	LV (EP 3,104,616)	MK (EP 2,869,563)
LV (EP 2,665,268)	LV (EP 3,104,617)	MK (EP 2,882,188)
LV (EP 2,712,198)	LV (EP 3,136,728)	MK (EP 2,884,749)
LV (EP 2712200)	LV (EP 3,136,729)	MK (EP 2,887,670)
LV (EP 2713617)	LV (EP 3,232,664)	MK (EP 2,890,123)
	LV (EP 3,282,707)	MK (EP 2,897,364)



**Addendum of Patents of Terminated  
Licensors**

MK (EP 2,897,365)	MX 315451	MX 323,714
MK (EP 2,899,979)	MX 315,662	MX 324107
MK (EP 2,903,273)	MX 315,664	MX 324108
MK (EP 2,903,274)	MX 316,236	MX 324,186
MK (EP 2,903,279)	MX 316237	MX 324,187
MK (EP 2,905,962)	MX 316,852	MX 324,188
MK (EP 2,908,525)	MX 317649	MX 324,348
MK (EP 2,911,398)	MX 318037	MX 326,317
MK (EP 2,911,399)	MX 318519	MX 326536
MK (EP 2,911,400)	MX 319,044	MX 326542
MK (EP 2,924,996)	MX 319,045	MX 327389
MK (EP 2,940,997)	MX 319,047	MX 327425
MK (EP 2,953,355)	MX 319,248	MX 327687
MK (EP 2,953,356)	MX 319249	MX 328193
MK (EP 2,986,003)	MX 319,251	MX 328501
MK (EP 2,996,337)	MX 319,332	MX 329311
MK (EP 2,996,340)	MX 319,559	MX 329314
MK (EP 2,996,341)	MX 319,560	MX 330592
MK (EP 2,996,342)	MX 319,561	MX 330593
MK (EP 2,999,224)	MX 319,562	MX 331,014
MK (EP 2,999,227)	MX 319,564	MX 331163
MK (EP 3,059,708)	MX 320,205	MX 332082
MK (EP 3,101,900)	MX 320207	MX 332084
MK (EP 3,101,901)	MX 320,209	MX 332,245
MK (EP 3,104,616)	MX 320,213	MX 332,577
MK (EP 3,104,617)	MX 320217	MX 332673
MK (EP 3,136,728)	MX 320225	MX 332,916
MK (EP 3,136,729)	MX 320433	MX 332,917
MK (EP 3,232,664)	MX 320435	MX 332,918
MK (EP 3,282,707)	MX 320436	MX 333,204
MT (EP 2,452,494)	MX 320437	MX 333,205
MT (EP 2545713)	MX 320438	MX 333,206
MT (EP 2,592,832)	MX 320,458	MX 333,207
MT (EP 2,629,528)	MX 321,898	MX 334,249
MT (EP 2,640,076)	MX 321,899	MX 334,251
MT (EP 2665267)	MX 322644	MX 334,592
MT (EP 2,665,268)	MX 322,645	MX 335,118
MT (EP 2,712,198)	MX 322910	MX 335,159
MT (EP 2712200)	MX 322,912	MX 335,160
MT (EP 2713617)	MX 323151	MX 336,117
MT (EP 2,713,618)	MX 323,296	MX 336,301
MT (EP 2804383)	MX 323298	MX 336,302
MX 310105	MX 323386	MX 336,303
MX 311413	MX 323387	MX 336,371
MX 313,556	MX 323390	MX 336,876
MX 313,601	MX 323391	MX 336,877
MX 313,959	MX 323,423	MX 337,142
MX 315,450	MX 323,424	MX 337,143

MX 337,144	MY 166200-A	NL (EP 2,884,749)
MX 337,230	MY 166893-A	NL (EP 2,887,670)
MX 337,232	MY 167146-A	NL (EP 2,890,123)
MX 337,235	MY-167815-A	NL (EP 2,897,364)
MX 337921	MY-168314-A	NL (EP 2,897,365)
MX 338,669	MY-168315-A	NL (EP 2,899,979)
MX 338,670	MY 168324-A	NL (EP 2,903,273)
MX 339,849	MY-168325-A	NL (EP 2,903,274)
MX 339,850	MY PI2012000238	NL (EP 2,903,279)
MX 342394	MY PI2012000404	NL (EP 2,905,962)
MX 346,561	MY PI2013000136	NL (EP 2,908,525)
MX 347,473	MY PI2013004676	NL (EP 2,911,398)
MY 153787A	MY PI2016001179	NL (EP 2,911,399)
MY-153844-A	MY PI2016001180	NL (EP 2,911,400)
MY 154147A	MY PI2016001181	NL (EP 2,924,996)
MY-154665-A	MY PI2016001182	NL (EP 2,940,996)
MY-154795-A	NL (EP 2,443,833)	NL (EP 2,940,997)
MY 155120-A	NL (EP 2,452,493)	NL (EP 2,953,355)
MY-155121-4	NL (EP 2,452,494)	NL (EP 2,953,356)
MY 155173-A	NL (EP 2,489,186)	NL (EP 2,986,003)
MY-155175-A	NL (EP 2,510,698)	NL (EP 2,996,337)
MY-155333-A	NL (EP 2,545,710)	NL (EP 2,996,340)
MY-155335-A	NL (EP 2545713)	NL (EP 2,996,341)
MY 155891-A	NL (EP 2,580,912)	NL (EP 2,996,342)
MY-156223-A	NL (EP 2,592,832)	NL (EP 2,999,224)
MY-157499-A	NL (EP 2,594,075)	NL (EP 2,999,227)
MY-157501-A	NL (EP 2,608,539)	NL (EP 3,059,708)
MY-157778-A	NL (EP 2,629,527)	NL (EP 3,101,900)
MY 160578-A	NL (EP 2,629,528)	NL (EP 3,101,901)
MY 160838-A	NL (EP 2,640,076)	NL (EP 3,104,616)
MY 163448-A	NL (EP 2665267)	NL (EP 3,104,617)
MY 163803-A	NL (EP 2,665,268)	NL (EP 3,136,728)
MY 163978-A	NL (EP 2,712,198)	NL (EP 3,136,729)
MY 163989-A	NL (EP 2712200)	NL (EP 3,232,664)
MY 164252-A	NL (EP 2713617)	NL (EP 3,282,707)
MY 164266-A	NL (EP 2,713,618)	NO (EP 2,443,833)
MY 164324-A	NL (EP 2,744,204)	NO (EP 2,452,493)
MY 164871-A	NL (EP 2,773,109)	NO (EP 2,452,494)
MY 165372-A	NL (EP 2804383)	NO (EP 2,489,186)
MY 165375-A	NL (EP 2,811,745)	NO (EP 2,510,698)
MY 165376-A	NL (EP 2,838,267)	NO (EP 2,545,710)
MY 165529-A	NL (EP 2,838,270)	NO (EP 2545713)
MY 165841-A	NL (EP 2,840,789)	NO (EP 2,580,912)
MY 165858-A	NL (EP 2,858,366)	NO (EP 2,592,832)
MY 165859-A	NL (EP 2,860,980)	NO (EP 2,594,075)
MY 165981-A	NL (EP 2,863,639)	NO (EP 2,608,539)
MY 166069-A	NL (EP 2,869,563)	NO (EP 2,629,527)
MY 166149-A	NL (EP 2,882,188)	NO (EP 2,629,528)

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NO (EP 2,890,123)	PH 1-2014-500009	PH 1-2016-501592
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NO (EP 2,903,273)	PH 1-2014-500018	PH 1-2016-502375
NO (EP 2,903,274)	PH 1-2014-500945	PH 1-2016-502376
NO (EP 2,903,279)	PH 1-2014-501262	PH 1-2016-502377
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NO (EP 3,101,900)	PH 1-2015-500846	PL (EP 2,580,912)
NO (EP 3,101,901)	PH 1-2015-500942	PL (EP 2,592,832)



PL (EP 2,594,075)	PL (EP 2,999,227)	PT (EP 2,903,274)
PL (EP 2,608,539)	PL (EP 3,059,708)	PT (EP 2,903,279)
PL (EP 2,629,527)	PL (EP 3,101,900)	PT (EP 2,905,962)
PL (EP 2,629,528)	PL (EP 3,101,901)	PT (EP 2,908,525)
PL (EP 2,640,076)	PL (EP 3,104,616)	PT (EP 2,911,398)
PL (EP 2665267)	PL (EP 3,104,617)	PT (EP 2,911,399)
PL (EP 2,665,268)	PL (EP 3,136,728)	PT (EP 2,911,400)
PL (EP 2,712,198)	PL (EP 3,136,729)	PT (EP 2,924,996)
PL (EP 2712200)	PL (EP 3,232,664)	PT (EP 2,940,996)
PL (EP 2713617)	PL (EP 3,282,707)	PT (EP 2,940,997)
PL (EP 2,713,618)	PT (EP 2,443,833)	PT (EP 2,953,355)
PL (EP 2,744,204)	PT (EP 2,452,493)	PT (EP 2,953,356)
PL (EP 2,773,109)	PT (EP 2,452,494)	PT (EP 2,986,003)
PL (EP 2804383)	PT (EP 2,489,186)	PT (EP 2,996,337)
PL (EP 2,811,745)	PT (EP 2,510,698)	PT (EP 2,996,340)
PL (EP 2,838,267)	PT (EP 2,545,710)	PT (EP 2,996,341)
PL (EP 2,838,270)	PT (EP 2545713)	PT (EP 2,996,342)
PL (EP 2,840,789)	PT (EP 2,580,912)	PT (EP 2,999,224)
PL (EP 2,858,366)	PT (EP 2,592,832)	PT (EP 2,999,227)
PL (EP 2,860,980)	PT (EP 2,594,075)	PT (EP 3,059,708)
PL (EP 2,863,639)	PT (EP 2,608,539)	PT (EP 3,101,900)
PL (EP 2,869,563)	PT (EP 2,629,527)	PT (EP 3,101,901)
PL (EP 2,882,188)	PT (EP 2,629,528)	PT (EP 3,104,616)
PL (EP 2,884,749)	PT (EP 2,640,076)	PT (EP 3,104,617)
PL (EP 2,887,670)	PT (EP 2665267)	PT (EP 3,136,728)
PL (EP 2,890,123)	PT (EP 2,665,268)	PT (EP 3,136,729)
PL (EP 2,897,364)	PT (EP 2,712,198)	PT (EP 3,232,664)
PL (EP 2,897,365)	PT (EP 2712200)	PT (EP 3,282,707)
PL (EP 2,899,979)	PT (EP 2713617)	RO (EP 2,443,833)
PL (EP 2,903,273)	PT (EP 2,713,618)	RO (EP 2,452,493)
PL (EP 2,903,274)	PT (EP 2,744,204)	RO (EP 2,452,494)
PL (EP 2,903,279)	PT (EP 2,773,109)	RO (EP 2,489,186)
PL (EP 2,905,962)	PT (EP 2804383)	RO (EP 2,510,698)
PL (EP 2,908,525)	PT (EP 2,811,745)	RO (EP 2,545,710)
PL (EP 2,911,398)	PT (EP 2,838,267)	RO (EP 2545713)
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PL (EP 2,911,400)	PT (EP 2,840,789)	RO (EP 2,592,832)
PL (EP 2,924,996)	PT (EP 2,858,366)	RO (EP 2,594,075)
PL (EP 2,940,996)	PT (EP 2,860,980)	RO (EP 2,608,539)
PL (EP 2,940,997)	PT (EP 2,863,639)	RO (EP 2,629,527)
PL (EP 2,953,355)	PT (EP 2,869,563)	RO (EP 2,629,528)
PL (EP 2,953,356)	PT (EP 2,884,749)	RO (EP 2,640,076)
PL (EP 2,986,003)	PT (EP 2,887,670)	RO (EP 2665267)
PL (EP 2,996,337)	PT (EP 2,890,123)	RO (EP 2,665,268)
PL (EP 2,996,340)	PT (EP 2,897,364)	RO (EP 2,712,198)
PL (EP 2,996,341)	PT (EP 2,897,365)	RO (EP 2712200)
PL (EP 2,996,342)	PT (EP 2,899,979)	RO (EP 2713617)
PL (EP 2,999,224)	PT (EP 2,903,273)	RO (EP 2,713,618)

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RU 2575982	RU 2,607,257	SE (EP 2,608,539)
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RU 2575990	RU 2,608,264	SE (EP 2,629,528)
RU 2577182	RU 2,608,353	SE (EP 2,640,076)
RU 2579441	RU 2,608,465	SE (EP 2665267)
RU 2579989	RU 2,608,877	SE (EP 2,665,268)
RU 2580057	RU 2,609,077	SE (EP 2,712,198)
RU 2580472	RU 2,609,749	SE (EP 2712200)
RU 2581553	RU 2,609,750	SE (EP 2713617)
RU 2582572	RU 2,612,611	SE (EP 2,713,618)
RU 2586001	RU 2,612,612	SE (EP 2,744,204)
RU 2586035	RU 2,612,613	SE (EP 2,773,109)
RU 2586321	RU 2,612,614	SE (EP 2804383)
RU 2589382	RU 2,612,624	SE (EP 2,811,745)
RU 2594291	RU 2,614,544	SE (EP 2,838,267)
RU 2595262	RU 2,618,511	SE (EP 2,838,270)
RU 2,595,576	RU 2619706	SE (EP 2,840,789)
RU 2595578	RU 2,620,718	SE (EP 2,858,366)
RU 2,595,596	RU 2,621,008	SE (EP 2,860,980)
RU 2,595,602	RU 2,624,578	SE (EP 2,863,639)
RU 2,595,607	RU 2,627,033	SE (EP 2,869,563)
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RU 2,595,610	RU 2,627,294	SE (EP 2,884,749)
RU 2,595,756	RU 2,628,123	SE (EP 2,887,670)
RU 2,595,946	RU 2,632,139	SE (EP 2,890,123)
RU 2,595,947	RU 2,632,409	SE (EP 2,897,364)
RU 2,595,949	RU 2,635,877	SE (EP 2,897,365)
RU 2,595,950	RU 2,635,893	SE (EP 2,899,979)
RU 2,597,484	RU 2,636,100	SE (EP 2,903,273)
RU 2597494	RU 2,636,672	SE (EP 2,903,274)
RU 2,597,521	RU 2,637,881	SE (EP 2,903,279)
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RU 2601180	RU 2,639,691	SE (EP 2,908,525)
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RU 2,602,784	RU 2,640,719	SE (EP 2,911,399)
RU 2,603,539	RU 2,642,387	SE (EP 2,911,400)
RU 2,603,541	RU 2,643,497	SE (EP 2,924,996)
RU 2,603,543	RU 2,652,505	SE (EP 2,940,996)
RU 2,604,997	SE (EP 2,443,833)	SE (EP 2,940,997)
RU 2,605,362	SE (EP 2,452,493)	SE (EP 2,953,355)
RU 2,605,915	SE (EP 2,452,494)	SE (EP 2,953,356)
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RU 2,607,249	SE (EP 2,545,710)	SE (EP 2,996,340)
RU 2,607,250	SE (EP 2545713)	SE (EP 2,996,341)
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SG 186970	SI (EP 2712200)	SI (EP 3,232,664)
SG 186978	SI (EP 2713617)	SI (EP 3,282,707)
SG 186996	SI (EP 2,713,618)	SK (EP 2,443,833)
SG 187055	SI (EP 2,744,204)	SK (EP 2,452,493)
SG 187860	SI (EP 2,773,109)	SK (EP 2,452,494)
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SG 195964	SI (EP 2,838,270)	SK (EP 2545713)
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SG 196007	SI (EP 2,858,366)	SK (EP 2,592,832)
SG 196797	SI (EP 2,860,980)	SK (EP 2,594,075)
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SG 10201502739Q	SI (EP 2,890,123)	SK (EP 2,665,268)
SG 10201503379S	SI (EP 2,897,364)	SK (EP 2,712,198)
SG 10201503381W	SI (EP 2,897,365)	SK (EP 2712200)
SG 10201503383P	SI (EP 2,899,979)	SK (EP 2713617)
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SM (EP 2713617)	TR (EP 2,911,400)	TW I549484
SM (EP 2,713,618)	TR (EP 2,924,996)	TW I549487
SM (EP 2804383)	TR (EP 2,940,996)	TW I552583
TR (EP 2,443,833)	TR (EP 2,940,997)	TW I554088
TR (EP 2,452,493)	TR (EP 2,953,355)	TW I555377



**Addendum of Patents of Terminated  
Licensors**

TW I556632	US 8,897,369	US 9,204,163
TW I556648	US 8,902,979	US 9,219,918
TW I558169	US 8,923,641	US 9,225,987
TW I562618	US 8,934,541	US 9,225,997
TW I569635	US 8,938,006	US 9,232,229
TW I569636	US 8,953,682	US 9,247,247
TW I569637	US 8,958,476	US 9,247,270
US 8,019,001	US 8,964,840	US 9,253,492
US 8,160,138	US 8,971,650	US 9,253,500
US 8,208,742	US 8,971,653	US 9,253,501
US 8,472,734	US 8,971,654	US 9,253,507
US 8,582,901	US 8,982,961	US 9,258,571
US 8,768,081	US 8,982,962	US 9,262,804
US 8,780,993	US 8,989,266	US 9,277,224
US 8,787,458	US 8,995,529	US 9,277,233
US 8,787,463	US 9,036,703	US 9,277,242
US 8,792,558	US 9,042,443	US 9,277,247
US 8,792,561	US 9,042,459	US 9,282,339
US 8,792,737	US 9,042,460	US 9,282,341
US 8,792,741	US 9,042,665	US 9,300,970
US 8,798,159	US 9,042,666	US 9,307,238
US 8,811,479	US 9,049,458	US 9,307,263
US 8,811,488	US 9,049,460	US 9,313,490
US 8,817,877	US 9,055,299	US 9,313,502
US 8,824,549	US 9,071,839	US 9,313,503
US 8,824,551	US 9,083,987	US 9,313,506
US 8,831,097	US 9,106,924	US 9,313,507
US 8,831,098	US 9,118,913	US 9,313,518
US 8,837,590	US 9,118,914	US 9,313,520
US 8,837,840	US 9,118,915	US 9,313,521
US 8,842,734	US 9,118,916	US 9,313,522
US 8,842,921	US 9,118,926	US 9,319,686
US 8,842,922	US 9,118,933	US 9,319,689
US 8,842,926	US 9,124,887	US 9,350,997
US 8,842,927	US 9,124,892	US 9,369,715
US 8,861,608	US 9,124,893	US 9,386,323
US 8,861,609	US 9,124,894	US 9,407,916
US 8,879,626	US 9,124,902	US 9,407,917
US 8,885,723	US 9,124,903	US 9,407,928
US 8,885,724	US 9,131,231	US 9,407,936
US 8,885,725	US 9,131,232	US 9,414,056
US 8,885,727	US 9,131,237	US 9,414,063
US 8,885,958	US 9,137,534	US 9,414,074
US 8,885,959	US 9,137,543	US 9,414,088
US 8,891,618	US 9,148,665	US 9,426,482
US 8,891,631	US 9,179,167	US 9,426,483
US 8,891,632	US 9,204,160	US 9,426,484
US 8,897,363	US 9,204,162	US 9,426,492





**Addendum of Patents of Terminated  
Licensors**

US 9,438,901	US 9,787,983	VN 1-2016-00162
US 9,438,921	US 9,787,992	VN 1-2016-00371
US 9,438,922	US 9,813,727	VN 1-2016-03395
US 9,438,933	US 9,826,253	VN 15460
US 9,451,260	US 9,826,254	VN 15530
US 9,451,267	US 9,866,873	VN 15656
US 9,451,273	US 9,866,874	VN 15663
US 9,462,288	US 9,877,049	VN 15664
US 9,467,711	US 9,883,191	VN 15707
US 9,473,776	US 9,888,261	VN 15862
US 9,479,783	US 9,888,262	VN 15932
US 9,479,784	US 9,888,263	VN 15988
US 9,485,510	US 9,888,264	VN 16108
US 9,491,474	US 9,936,197	VN 16109
US 9,491,484	US 10,021,384	VN 16110
US 9,503,727	US 10,027,991	VN 16118
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US 9,521,421	VN 1-2012-00416	VN 16796
US 9,521,430	VN 1-2012-00620	VN 16844
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US 9,525,889	VN 1-2012-01480	VN 16980
US 9,532,072	VN 1-2012-01514	VN 16981
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US 9,538,188	VN 1-2012-02402	VN 17240
US 9,538,192	VN 1-2012-02600	VN 17333
US 9,538,194	VN 1-2012-03277	VN 17793
US 9,544,600	VN 1-2012-03280	VN 18224
US 9,544,603	VN 1-2013-00423	VN 18372
US 9,544,604	VN 1-2013-00801	VN 18934
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US 9,549,185	VN 1-2013-00832	VN 18982
US 9,554,155	VN 1-2013-00833	VN 18991
US 9,565,447	VN 1-2013-00835	VN 19015
US 9,565,455	VN 1-2013-00836	VN 19068
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US 9,571,845	VN 1-2013-01357	VN 19077
US 9,578,332	VN 1-2014-00137	VN 19078
US 9,591,310	VN 1-2015-00300	VN 19080
US 9,596,472	VN 1-2015-01762	VN 19081
US 9,596,473	VN 1-2015-01763	VN 19082
US 9,596,474	VN 1-2015-01764	VN 19351
US 9,628,809	VN 1-2015-01870	VN 19456
US 9,628,812	VN 1-2015-01871	VN 19457
US 9,635,375	VN 1-2015-01872	VN 19510
US 9,641,855	VN 1-2015-01873	VN 19809
US 9,674,553	VN 1-2015-02743	VN 19812
US 9,693,061	VN 1-2016-00160	VN 20022

ZA 2012/01153	ZA 2015/00338	CN 201180045023.9
ZA 2012/01156	ZA 2015/00339	CN 201180058611.6
ZA 2012/01158	ZA 2015/00711	CN 201180060212.3
ZA 2012/02670	ZA 2015/00712	CN 201180072461.4
ZA 2012/03084	ZA 2015/00713	CN 201280006102.3
ZA 2012/04888	ZA 2015/00714	CN 201310285903.4
ZA 2012/05735	ZA 2015/01191	CN 201310285909.1
ZA 2012/08292	ZA 2015/02023	CN 201310285917.6
ZA 2012/08293	ZA 2015/02024	CN 201310286628.8
ZA 2012/08296	ZA 2015/02025	CN 201510002700.9
ZA 2012/08297	ZA 2015/02591	CN 201510003806.0
ZA 2013/00578	ZA 2015/02592	CN 201510003856.9
ZA 2013/00581	ZA 2015/02593	CN 201510005030.6
ZA 2013/00699	ZA 2015/02594	CN 201510060983.2
ZA 2013/01460	ZA 2015/02765	CN 201510063751.2
ZA 2013/03522	ZA 2015/03354	CN 201510063752.7
ZA 2013/03523	ZA 2015/03355	CN 201510064149.0
ZA 2013/04970	ZA 2015/03389	CN 201510089243.1
ZA 2013/04971	ZA 2015/04681	CN 201510089787.8
ZA 2013/04972	ZA 2015/04997	CN 201510089906.X
ZA 2013/04973	ZA 2015/04998	CN 201510133860.7
ZA 2013/04974	ZA 2015/04999	CN 201510231161.6
ZA 2013/04975	ZA 2015/05000	CN 201510232396.7
ZA 2013/04976	ZA 2015/05589	CN 201510302991.3
ZA 2013/04977	ZA 2015/05590	CN 201510303298.8
ZA 2013/04978		CN 201510303536.5
ZA 2013/04979		CN 201510426699.2
ZA 2013/04980		CN 201510426709.2
ZA 2013/04981		CN 201510426737.4
ZA 2013/04982		CN 201510426740.6
ZA 2014/00623	BE (EP 2,571,269)	CN 201510426771.1
ZA 2014/00647	BE (EP 2,597,875)	CN 201510426775.X
ZA 2014/00648	BE (EP 3,119,091)	CN 201510427249.5
ZA 2014/00649	BE (EP 3,128,755)	CN 201510427905.1
ZA 2014/00703	CN 102273206	CN 201510427911.7
ZA 2014/00765	CN 102598669	CN 201510428013.3
ZA 2014/03018	CN 201080013412.9	CN 201510455161.4
ZA 2014/03019	CN 201080038707.1	CN 201510598947.1
ZA 2014/03020	CN 201080054730.X	CN 201510629964.7
ZA 2014/05219	CN 201080054732.9	CN 201510629971.7
ZA 2014/05220	CN 201080058670.9	CN 201510633174.6
ZA 2014/06113	CN 201080061797.6	CN 201510633175.0
ZA 2014/08373	CN 201080063636.0	CN 201610028034.0
ZA 2014/08374	CN 201180019357.9	CN 201610065599.6
ZA 2015/000715	CN 201180029771.8	CN 201610223480.7
ZA 2015/000716	CN 201180029802.X	CN 201610223527.X
ZA 2015/000717	CN 201180029878.2	CN 201610223956.7
ZA 2015/000719	CN 201180034374.X	CN 201610307932.X
	CN 201180035106.X	

**SK Telecom Co., Ltd.**  
**(terminated January 27, 2020)**

CN 201610308383.8	HU (EP 2,597,875)	KR 1,534,049
CN 201610308617.9	HU (EP 2,991,353)	KR 1,537,767
CN 201610308620.0	HU (EP 2,993,904)	KR 1,543,304
CN 201610348345.5	HU (EP 3,119,091)	KR 1,543,309
CN 201610350084.0	HU (EP 3,128,755)	KR 1,543,310
CN 201610644797.8	IT (EP 2,485,490)	KR 1,543,313
CN 201610804059.5	IT (EP 2,571,269)	KR 1,543,314
CN 201610811334.6	IT (EP 2,597,875)	KR 1,543,319
CN 201610811347.3	IT (EP 2,991,353)	KR 1,543,323
CN 201610811348.8	IT (EP 2,993,904)	KR 1,544,379
CN 201610811363.2	IT (EP 3,119,091)	KR 1,544,390
CZ (EP 2,485,490)	IT (EP 3,128,755)	KR 1,557,374
CZ (EP 2,571,269)	KR 1,279,573	KR 1,567,961
CZ (EP 2,597,875)	KR 1,302,660	KR 1,567,963
CZ (EP 2,991,353)	KR 1,306,834	KR 1,567,964
CZ (EP 2,993,904)	KR 1,314,632	KR 1,567,982
CZ (EP 3,119,091)	KR 1,316,710	KR 1,567,986
CZ (EP 3,128,755)	KR 1,334,587	KR 1,567,990
DE (EP 2,485,490)	KR 1,341,993	KR 1,575,605
DE (EP 2,571,269)	KR 1,361,005	KR 1,575,616
DE (EP 2,597,875)	KR 1,364,195	KR 1,575,634
DE (EP 2,991,353)	KR 1,369,174	KR 1,575,635
DE (EP 2,993,904)	KR 1,377,527	KR 1,575,636
DE (EP 3,119,091)	KR 1,377,660	KR 1,575,638
DE (EP 3,128,755)	KR 1,441,905	KR 1,575,645
ES (EP 2,485,490)	KR 1,445,835	KR 1,582,493
ES (EP 2,571,269)	KR 1,453,750	KR 1,582,495
ES (EP 2,597,875)	KR 1,458,471	KR 1,582,501
ES (EP 2,991,353)	KR 1,459,714	KR 1,582,504
ES (EP 2,993,904)	KR 1,464,944	KR 1,590,493
ES (EP 3,119,091)	KR 1,464,949	KR 1,590,511
ES (EP 3,128,755)	KR 1,479,129	KR 1,608,885
FR (EP 2,485,490)	KR 1,479,141	KR 1,608,888
FR (EP 2,571,269)	KR 1,479,525	KR 1,608,895
FR (EP 2,597,875)	KR 1,483,174	KR 1,635,830
FR (EP 2,991,353)	KR 1483495	KR 1,648,058
FR (EP 2,993,904)	KR 1483688	KR 1,648,065
FR (EP 3,119,091)	KR 1487436	KR 1,648,070
FR (EP 3,128,755)	KR 1494322	KR 1,648,077
GB (EP 2,485,490)	KR 1,524,664	KR 1,648,910
GB (EP 2,571,269)	KR 1,525,202	KR 1,663,764
GB (EP 2,597,875)	KR 1,527,153	KR 1,671,460
GB (EP 2,991,353)	KR 1,533,434	KR 1,673,028
GB (EP 2,993,904)	KR 1,533,435	KR 1,676,381
GB (EP 3,119,091)	KR 1,533,441	KR 1,678,654
GB (EP 3,128,755)	KR 1,534,014	KR 1,681,303
HU (EP 2,485,490)	KR 1,534,033	KR 1,698,499
HU (EP 2,571,269)	KR 1,534,048	KR 1,698,509

**Addendum of Patents of Terminated  
Licensors**

KR 1,699,832	SK (EP 2,597,875)	US 9,420,281
KR 1,702,551	TR (EP 2,485,490)	US 9,420,304
KR 1,702,553	TR (EP 2,571,269)	US 9,432,663
KR 1,712,156	TR (EP 2,597,875)	US 9,445,098
KR 1,750,495	TR (EP 2,991,353)	US 9,445,101
KR 1,763,111	TR (EP 2,993,904)	US 9,445,118
KR 1,768,865	TR (EP 3,119,091)	US 9,451,270
KR 1,791,078	TR (EP 3,128,755)	US 9,451,285
KR 1,791,242	US 8,711,935	US 9,462,277
KR 1,813,189	US 8,811,487	US 9,462,278
KR 1,826,353	US 8,818,114	US 9,462,279
KR 1,830,352	US 8,885,711	US 9,462,292
KR 1,834,541	US 8,971,656	US 9,473,773
KR 1,868,290	US 8,976,862	US 9,473,790
KR 1,874,840	US 8,976,863	US 9,479,791
KR 1,934,277	US 9,070,179	US 9,479,793
KR 1,934,278	US 9,094,690	US 9,491,467
KR 1,939,699	US 9,118,921	US 9,491,483
KR 1,943,049	US 9,137,532	US 9,497,461
KR 1,943,058	US 9,137,545	US 9,503,721
KR 1,943,425	US 9,137,546	US 9,521,406
KR 1,960,761	US 9,148,660	US 9,532,065
KR 1,997,599	US 9,154,809	US 9,549,190
KR 1,997,604	US 9,215,461	US 9,554,139
NL (EP 2,485,490)	US 9,215,462	US 9,560,379
NL (EP 2,571,269)	US 9,215,463	US 9,571,852
NL (EP 2,597,875)	US 9,264,716	US 9,578,330
NL (EP 2,991,353)	US 9,264,731	US 9,584,810
NL (EP 2,993,904)	US 9,264,732	US 9,602,834
NL (EP 3,119,091)	US 9,270,996	US 9,609,334
NL (EP 3,128,755)	US 9,288,495	US 9,609,335
PL (EP 2,485,490)	US 9,300,981	US 9,621,895
PL (EP 2,571,269)	US 9,313,525	US 9,628,814
PL (EP 2,597,875)	US 9,319,714	US 9,628,815
PL (EP 2,991,353)	US 9,326,002	US 9,654,798
PL (EP 2,993,904)	US 9,344,731	US 9,674,520
PL (EP 3,119,091)	US 9,344,732	US 9,674,551
PL (EP 3,128,755)	US 9,351,008	US 9,686,549
RO (EP 2,485,490)	US 9,357,220	US 9,686,555
RO (EP 2,571,269)	US 9,363,530	US 9,686,562
RO (EP 2,597,875)	US 9,363,531	US 9,706,222
RO (EP 2,991,353)	US 9,363,532	US 9,729,881
RO (EP 2,993,904)	US 9,369,714	US 9,736,475
RO (EP 3,119,091)	US 9,374,584	US 9,743,085
RO (EP 3,128,755)	US 9,392,299	US 9,749,643
SE (EP 2,571,269)	US 9,392,300	US 9,749,653
SE (EP 3,119,091)	US 9,398,298	US 9,781,443
SE (EP 3,128,755)	US 9,402,084	US 9,781,445

US 9,781,481  
US 9,787,988  
US 9,787,996  
US 9,787,997  
US 9,794,590  
US 9,807,425  
US 9,813,710  
US 9,838,696  
US 9,854,250  
US 9,872,019  
US 9,888,248  
US 9,900,610  
US 9,912,955  
US 9,955,167  
US 9,955,182  
US 9,967,587  
US 9,967,588  
US 9,986,245  
US 9,992,510  
US 10,015,512  
US 10,033,998  
US 10,034,024  
US 10,038,900  
US 10,070,135  
US 10,091,526  
US 10,116,942  
US 10,123,014  
US 10,136,129  
US 10,158,880  
US 10,250,881  
US 10,298,954  
US 10,327,011

**University-Industry Cooperation**  
**Group of Kyung Hee University**  
**(terminated January 2, 2020)**

CN 102763412  
CN 200880000151.X  
CN 201510221421.1  
JP 5,578,743  
KR 1,354,014  
KR 1,478,280  
US 8,532,408  
US 8,891,891  
US 9,924,170  
US 10,051,271  
US 10,051,272

## **Addendum of 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**

AU 2015213343 (removed as of January 11, 2019)