



April 1, 2023

MPEG-2 Attachment 1

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General Video, LLC

*MY 141626-A*

*MY 163465-A*

**Expired Patents****Alcatel Lucent**

DE (EP 0230338) - Exp. Jan 20, 2007  
DE (EP 0374548) - Exp. Dec 1, 2009  
DE (EP 0401638) - Exp. May 28, 2010  
FR (EP 0230338) - Exp. Jan 20, 2007  
FR (EP 0374548) - Exp. Dec 1, 2009  
FR (EP 0401638) - Exp. May 28, 2010  
GB (EP 0230338) - Exp. Jan 20, 2007  
GB (EP 0374548) - Exp. Dec 1, 2009  
GB (EP 0401638) - Exp. May 28, 2010  
IT (EP 0230338) - Exp. Jan 20, 2007  
IT 1228109 - Exp. Dec 21, 2008  
IT 1,230,235 - Exp. Jun 6, 2009  
JP 3,011,338 - Exp. Dec 21, 2009  
SE (EP 0374548) - Exp. Dec 1, 2009  
SE (EP 0401638) - Exp. May 28, 2010  
US 4,833,543 - Exp. Dec 23, 2006  
US 4,970,590 - Exp. Dec 20, 2009  
US 5,453,790 - Exp. Mar 25, 2013

**ARRIS Technology, Inc.**

US 4,394,774 - Exp. Dec 15, 1998  
US 4,698,672 - Exp. Oct 26, 2006

**British Telecommunications plc**

GB (EP 0448590) - Exp. Dec 12, 2009  
JP 2,046,808 - Exp. Dec 12, 2009  
US 5,291,284 - Exp. Feb 28, 2011

**Canon Inc.**

JP 2,674,059 - Exp. Feb 9, 2008  
US 4,982,270 - Exp. Feb 2, 2009

**CIF Licensing, LLC**

AT (EP 0451545) - Exp. Mar 18, 2011  
AT (EP 0467040) - Exp. May 18, 2011  
AU 627421-B2 - Exp. May 30, 2011  
AU 627684-B2 - Exp. Mar 6, 2011  
BE (EP 0451545) - Exp. Mar 18, 2011  
BE (EP 0467040) - Exp. May 18, 2011  
CA 2,038,043-C - Exp. Mar 12, 2011  
CA 2044118-6 - Exp. Jun 7, 2011

CH (EP 0451545) - Exp. Mar 18, 2011  
CH (EP 0467040) - Exp. May 18, 2011  
DE (EP 0451545) - Exp. Mar 18, 2011  
DE (EP 0467040) - Exp. May 18, 2011  
DK (EP 0451545) - Exp. Mar 18, 2011  
DK (EP 0467040) - Exp. May 18, 2011  
ES (EP 0467040) - Exp. May 18, 2011  
ES 2088440-T3 - Exp. Mar 18, 2011  
FR (EP 0451545) - Exp. Mar 18, 2011  
FR (EP 0467040) - Exp. May 18, 2011  
GB (EP 0451545) - Exp. Mar 18, 2011  
GB (EP 0467040) - Exp. May 18, 2011  
GR (EP 0467040) - Exp. May 18, 2011  
GR 3020736 - Exp. Mar 18, 2011  
HK 1008410 - Exp. Mar 18, 2011  
HK 1013759 - Exp. May 18, 2011  
IE 74861 - Exp. Feb 25, 2011  
IE 81694 - Exp. May 10, 2011  
IT (EP 0451545) - Exp. Mar 18, 2011  
IT (EP 0467040) - Exp. May 18, 2011  
JP 2,795,420 - Exp. Apr 8, 2011  
KR 188423 - Exp. Apr 9, 2011  
LI (EP 0451545) - Exp. Mar 18, 2011  
LI (EP 0467040) - Exp. May 18, 2011  
NL (EP 0451545) - Exp. Mar 18, 2011  
NL (EP 0467040) - Exp. May 18, 2011  
NO 178419-C - Exp. Mar 20, 2011  
NO 178420-C - Exp. Mar 20, 2011  
NO 179890-C - Exp. Jun 13, 2011  
SE (EP 0451545) - Exp. Mar 18, 2011  
SE (EP 0467040) - Exp. May 18, 2011  
TW NI-50643 - Exp. Feb 28, 2011  
TW NI-52990 - Exp. May 14, 2011  
US 5,068,724 - Exp. Jun 14, 2010  
US 5,091,782 - Exp. Apr 8, 2010  
US 5,093,720 - Exp. Aug 19, 2010

**Cisco Technology, Inc.**

AU 680680 - Exp. Jul 11, 2014  
AU 683134 - Exp. Jan 3, 2015  
AU 687844 - Exp. Jul 11, 2014  
CA 2,180,342 - Exp. Jul 11, 2014  
CA 2,180,363 - Exp. Jan 3, 2015  
CA 2,186,368 - Exp. Jul 11, 2014  
JP 2,937,301 - Exp. Jul 11, 2014  
JP 2,940,638 - Exp. Jan 3, 2015  
JP 2,940,639 - Exp. Jul 11, 2014  
MX 190,776 - Exp. Jan 2, 2015

US 5,418,782 - Exp. Oct 29, 2012  
US 5,420,866 - Exp. Mar 28, 2014  
US 5,457,701 - Exp. Jan 5, 2014

**Fujitsu Limited**

CA 2,029,320 - Exp. Nov 5, 2010  
DE (EP 0431319) - Exp. Nov 5, 2010  
FR (EP 0431319) - Exp. Nov 5, 2010  
GB (EP 0431319) - Exp. Nov 5, 2010  
JP 2,787,599 - Exp. Nov 6, 2009  
US 5,235,618 - Exp. Nov 5, 2010

**GE Technology Development, Inc.**

AT (EP 0679316) - Exp. Jan 10, 2014  
BR PI 9405710-9 - Exp. Jan 10, 2014  
CA 2,153,886 - Exp. Jan 10, 2014  
CN 1,060,003 - Exp. May 12, 2014  
CN 01117193.6<sup>1</sup> - Exp. May 12, 2014  
CN 94112956.X - Exp. Nov 29, 2014  
CN 94191176.4 - Exp. Jan 10, 2014  
DE (EP 0395709) - Exp. Dec 1, 2008  
DE (EP 0624983) - Exp. May 4, 2014  
DE (EP 0679316) - Exp. Jan 10, 2014  
DE (EP 0732028) - Exp. Nov 30, 2013  
ES (EP 0624983) - Exp. May 4, 2014  
ES (EP 0732028) - Exp. Nov 30, 2013  
ES 2,117,252 - Exp. Jan 10, 2014  
FI 113929 - Exp. Jan 10, 2014  
FR (EP 0395709) - Exp. Dec 1, 2008  
FR (EP 0624983) - Exp. May 4, 2014  
FR (EP 0679316) - Exp. Jan 10, 2014  
FR (EP 0732028) - Exp. Nov 30, 2013  
GB (EP 0395709) - Exp. Dec 1, 2008  
GB (EP 0624983) - Exp. May 4, 2014  
GB (EP 0679316) - Exp. Jan 10, 2014  
GB (EP 0732028) - Exp. Nov 30, 2013  
HK 1,004,307 - Exp. Dec 1, 2008  
HK 1,044,090<sup>1</sup> - Exp. May 12, 2014  
IN 181018 - Exp. Oct 4, 2013  
IN 183230 - Exp. Oct 4, 2013  
IT 50123 BE 98 - Exp. Jan 10, 2014  
IT (EP 0624983) - Exp. May 4, 2014  
IT (EP 0732028) - Exp. Nov 30, 2013  
JP 2,790,509 - Exp. Dec 1, 2008  
JP 3,510,628 - Exp. Jan 10, 2014  
KR 282981 - Exp. Jan 10, 2014

MX 187475 - Exp. Jan 12, 2014  
MX 188411 - Exp. May 11, 2014  
MX 201309 - Exp. Nov 23, 2014  
MY 109889-A - Exp. Dec 30, 2013  
MY 112121 - Exp. Apr 30, 2016  
PT (EP 0679316) - Exp. Jan 10, 2014  
PT (EP 0732028) - Exp. Nov 30, 2013  
RU 2,115,258 - Exp. Jan 10, 2014  
RU 2,115,261 - Exp. May 12, 2014  
SE (EP 0679316) - Exp. Jan 10, 2014  
SG 63561 - Exp. Dec 1, 2008  
SG 82528 - Exp. May 3, 2014  
SG 94359<sup>1</sup> - Exp. May 3, 2014  
SG 94680 - Exp. Jan 10, 2014  
SG 110033 - Exp. Jan 10, 2014  
SG 118194<sup>1</sup> - Exp. May 3, 2014  
TH 18963 - Exp. Aug 30, 2014  
TH 20936 - Exp. Feb 7, 2014  
TH 24931 - Exp. Oct 3, 2013  
TR 27398 - Exp. Jan 12, 2014  
TR 28291 - Exp. May 9, 2014  
TW NI-66422 - Exp. Oct 4, 2013  
TW NI-070615 - Exp. Aug 30, 2014  
TW NI-092150 - Exp. Feb 17, 2014  
US 4,706,260 - Exp. Nov 6, 2006  
US 4,813,056 - Exp. Dec 7, 2007  
US 5,426,464 - Exp. Jan 13, 2013  
US 5,486,864 - Exp. May 12, 2013  
US 5,491,516 - Exp. Feb 12, 2013  
US 5,600,376 - Exp. Feb 3, 2014  
US 5,796,743 - Exp. Aug 17, 2015  
VN 526 - Exp. Jul 20, 2015

### General Video, LLC

JP 3,657,017 - Exp. May 16, 2014  
JP 3,657,200<sup>1</sup> - Exp. May 16, 2014  
JP 3,811,183 - Exp. Nov 30, 2013  
JP 4,317,925 - Exp. Nov 30, 2013  
KR 283710 - Exp. Nov 30, 2013  
KR 291492 - Exp. May 11, 2014  
MY 118172-A - Exp. Sep 30, 2019  
MY 128994<sup>1</sup> - Exp. Mar 30, 2022  
PH 1-1993-47458 - Exp. Jul 17, 2019

### Hewlett Packard Enterprise Company

US 5,867,501 - Exp. Feb 1, 2016

### Hitachi, Ltd.

JP 2,666,793 - Exp. Dec 27, 2004  
JP 2,907,072 - Exp. Feb 5, 2008  
JP 3,085,289 - Exp. Oct 1, 2010  
JP 3,173,508 - Exp. Oct 1, 2010  
JP 3,191,935 - Exp. Nov 30, 2010  
JP 3,265,287 - Exp. Aug 29, 2010  
JP 3,303,869 - Exp. Nov 30, 2010

### JVCKENWOOD Corporation

DE (EP 0379217) - Exp. Jan 19, 2010  
DE (EP 0484140-B) - Exp. Oct 30, 2011  
DE (EP 0572046) - Exp. Jan 19, 2010  
DE (EP 0584840) - Exp. Apr 27, 2010  
DE (EP 0683615) - Exp. Oct 30, 2011  
FR (EP 0379217) - Exp. Jan 19, 2010  
FR (EP 0484140-B) - Exp. Oct 30, 2011  
FR (EP 0572046) - Exp. Jan 19, 2010  
FR (EP 0584840) - Exp. Apr 27, 2010  
FR (EP 0683615) - Exp. Oct 30, 2011  
GB (EP 0379217) - Exp. Jan 19, 2010  
GB (EP 0484140-B) - Exp. Oct 30, 2011  
GB (EP 0572046) - Exp. Jan 19, 2010  
GB (EP 0584840) - Exp. Apr 27, 2010  
GB (EP 0683615) - Exp. Oct 30, 2011  
HK 1000538 - Exp. Apr 27, 2010  
HK 1000752 - Exp. Oct 30, 2011  
HK 1000794 - Exp. Oct 30, 2011  
HK 1001182 - Exp. Jan 19, 2010  
HK 1001183 - Exp. Jan 19, 2010  
JP 2,072,546 - Exp. Feb 14, 2009  
JP 2,137,325 - Exp. Apr 27, 2009  
JP 2,530,217 - Exp. Jan 20, 2009  
JP 2,722,933 - Exp. Mar 11, 2012  
JP 2,808,860 - Exp. Aug 24, 2010  
JP 2,830,881 - Exp. Mar 18, 2011  
JP 2,921,755 - Exp. Mar 18, 2011  
JP 2,962,012 - Exp. Nov 8, 2011  
KR 94554 - Exp. Oct 30, 2011  
NL (EP 0584840) - Exp. Apr 27, 2010  
US Re 34,965 - Exp. Jan 17, 2010  
US Re 35,158 - Exp. Jan 17, 2010  
US Re 36,822 - Exp. Nov 5, 2012  
US 5,103,307 - Exp. Jan 17, 2011  
US 5,175,618 - Exp. Oct 29, 2011

### KDDI Corporation

JP 1,835,550 - Exp. Mar 14, 2006  
JP 3,201,079 - Exp. Jun 23, 2013

### Koninklijke Philips N.V.

AT 131335 - Exp. Sep 11, 2009  
AT 157830-B - Exp. Jun 3, 2011  
AT (EP 0260748) - Exp. Sep 10, 2007  
AU 634173-B - Exp. Sep 14, 2009  
AU 641726 - Exp. Feb 20, 2011  
BE (EP 0359334) - Exp. Sep 11, 2009  
BE (EP 0460751) - Exp. Jun 3, 2011  
CA 2,018,031 - Exp. Jun 1, 2010  
CA 2,036,585 - Exp. Feb 19, 2011  
CA 2,043,670 - Exp. May 31, 2011  
CA 2,114,182 - Exp. Jan 25, 2014  
CA 2,304,917 - Exp. Jun 1, 2010  
CH (EP 0359334) - Exp. Sep 11, 2009  
CN 1011459B - Exp. Sep 12, 2007  
CN 1013425-B - Exp. Mar 7, 2008  
CN 1018695-B - Exp. Sep 13, 2009  
DE (EP 0260748) - Exp. Sep 10, 2007  
DE (EP 0282135) - Exp. Mar 4, 2008  
DE (EP 0290085) - Exp. Apr 27, 2008  
DE (EP 0359334) - Exp. Sep 11, 2009  
DE (EP 0443676) - Exp. Feb 18, 2011  
DE (EP 0460751) - Exp. Jun 3, 2011  
DE (EP 0609936) - Exp. Jan 25, 2014  
DE (EP 0700610) - Exp. Feb 23, 2015  
DK (EP 0443676) - Exp. Feb 18, 2011  
DK (EP 0460751) - Exp. Jun 3, 2011  
ES (EP 0359334) - Exp. Sep 11, 2009  
FI 92127 - Exp. Sep 13, 2009  
FI 101442 - Exp. Feb 19, 2011  
FR (EP 0260748) - Exp. Sep 10, 2007  
FR (EP 0282135) - Exp. Mar 4, 2008  
FR (EP 0290085) - Exp. Apr 27, 2008  
FR (EP 0359334) - Exp. Sep 11, 2009  
FR (EP 0443676) - Exp. Feb 18, 2011  
FR (EP 0460751) - Exp. Jun 3, 2011  
FR (EP 0609936) - Exp. Jan 25, 2014  
FR (EP 0700610) - Exp. Feb 23, 2015  
GB (EP 0260748) - Exp. Sep 10, 2007  
GB (EP 0282135) - Exp. Mar 4, 2008  
GB (EP 0290085) - Exp. Apr 27, 2008  
GB (EP 0359334) - Exp. Sep 11, 2009  
GB (EP 0443676) - Exp. Feb 18, 2011

GB (EP 0460751) - Exp. Jun 3, 2011  
GB (EP 0609936) - Exp. Jan 25, 2014  
GB (EP 0700610) - Exp. Feb 23, 2015  
GR (EP 0359334) - Exp. Sep 11, 2009  
HK 96-1695-B - Exp. Sep 11, 2009  
HK 96-615 - Exp. Feb 18, 2011  
IT (EP 0260748) - Exp. Sep 10, 2007  
IT (EP 0282135) - Exp. Mar 4, 2008  
IT (EP 0359334) - Exp. Sep 11, 2009  
IT (EP 0443676) - Exp. Feb 18, 2011  
IT (EP 0460751) - Exp. Jun 3, 2011  
JP 2,534,534-B2 - Exp. Mar 3, 2008  
JP 2,630,809-B - Exp. May 6, 2008  
JP 2,711,665 - Exp. Sep 14, 2007  
JP 2,791,822 - Exp. Jun 2, 2010  
JP 2,961,131 - Exp. Sep 14, 2009  
JP 3,162,110 - Exp. Jun 4, 2011  
JP 3,174,586 - Exp. Feb 20, 2011  
JP 3,280,999 - Exp. Jun 4, 2011  
JP 3,464,264 - Exp. Feb 1, 2014  
JP 3,762,430 - Exp. Feb 23, 2015  
KR 118698 - Exp. Apr 17, 2012  
KR 153275 - Exp. Jul 2, 2013  
KR 239837 - Exp. Jun 4, 2011  
KR 290326 - Exp. Jan 31, 2014  
KR 378,718 - Exp. Feb 23, 2015  
KR 9700364-B1 - Exp. Jan 8, 2012  
LI (EP 0359334) - Exp. Sep 11, 2009  
LU (EP 0359334) - Exp. Sep 11, 2009  
MX 172405-B - Exp. Jun 4, 2010  
MX 185421 - Exp. Jan 30, 2014  
NL (EP 0260748) - Exp. Sep 10, 2007  
NL (EP 0359334) - Exp. Sep 11, 2009  
NL (EP 0443676) - Exp. Feb 18, 2011  
NL (EP 0460751) - Exp. Jun 3, 2011  
SE (EP 0260748) - Exp. Sep 10, 2007  
SE (EP 0359334) - Exp. Sep 11, 2009  
SE (EP 0443676) - Exp. Feb 18, 2011  
SE (EP 0460751) - Exp. Jun 3, 2011  
SG 9690467.7 - Exp. Feb 18, 2011  
SG 9692026 - Exp. Sep 11, 2009  
TW 29492-B - Exp. Jun 26, 2007  
TW 35350-B - Exp. Sep 22, 2007  
US 4,849,812 - Exp. Feb 23, 2008  
US 4,901,075 - Exp. Sep 10, 2007  
US 5,021,879 - Exp. Jun 3, 2008  
US 5,027,206 - Exp. Sep 12, 2009  
US 5,128,758 - Exp. Jul 6, 2009  
US 5,179,442 - Exp. Jan 11, 2010

US 5,333,135 - Exp. Jan 31, 2013  
US 5,606,539 - Exp. Feb 24, 2014  
US 5,608,697 - Exp. Jun 4, 2011  
US 5,699,476 - Exp. Oct 18, 2010  
US 5,740,310 - Exp. Apr 13, 2015  
US 5,844,867 - Exp. Jun 4, 2011  
US 6,181,712 - Exp. Oct 11, 2015  
US 6,792,001 - Exp. Oct 11, 2015

### LG Electronics Inc.

KR 114,338 - Exp. Aug 18, 2013  
US Re 37,057 - Exp. Nov 13, 2014  
US Re 37,568 - Exp. Mar 31, 2014  
US Re. 44,231 - Exp. Sep 15, 2014  
US Re. 44,259 - Exp. Sep 15, 2014  
US Re. 44,282 - Exp. Sep 15, 2014  
US Re. 44,729 - Exp. Sep 15, 2014  
US Re. 44,741 - Exp. Sep 15, 2014

### Mitsubishi Electric Corporation

AU 625476-B2 - Exp. Aug 20, 2010  
BE (EP 0825780) - Exp. Oct 21, 2012  
BE (EP 984,635) - Exp. Oct 21, 2012  
BE (EP 984,636) - Exp. Oct 21, 2012  
BE (EP 1091589) - Exp. Oct 21, 2012  
CA 2,000,156-C - Exp. Oct 4, 2009  
CA 2,023,543-C - Exp. Aug 17, 2010  
CA 2,061,128 - Exp. Feb 12, 2012  
CA 2,065,803 - Exp. Apr 10, 2012  
CA 2,234,387 - Exp. Oct 21, 2012  
CA 2,234,391 - Exp. Oct 21, 2012  
CA 2,327,489 - Exp. Oct 21, 2012  
CH (EP 0825780) - Exp. Oct 21, 2012  
CH (EP 984,635) - Exp. Oct 21, 2012  
CH (EP 984,636) - Exp. Oct 21, 2012  
CH (EP 1091589) - Exp. Oct 21, 2012  
DE (EP 0382892) - Exp. Oct 5, 2009  
DE (EP 0414193) - Exp. Aug 20, 2010  
DE (EP 0508925) - Exp. Feb 26, 2012  
DE (EP 0825780) - Exp. Oct 21, 2012  
DE (EP 984,635) - Exp. Oct 21, 2012  
DE (EP 984,636) - Exp. Oct 21, 2012  
DE (EP 1091589) - Exp. Oct 21, 2012  
DE (EP 1971130) - Exp. Jan 28, 2013  
DK (EP 0825780) - Exp. Oct 21, 2012  
DK (EP 984,635) - Exp. Oct 21, 2012  
DK (EP 984,636) - Exp. Oct 21, 2012

DK (EP 1091589) - Exp. Oct 21, 2012  
ES (EP 0825780) - Exp. Oct 21, 2012  
ES (EP 984,635) - Exp. Oct 21, 2012  
ES (EP 984,636) - Exp. Oct 21, 2012  
ES (EP 1091589) - Exp. Oct 21, 2012  
FI 98421-B - Exp. Aug 21, 2010  
FI 111591 - Exp. Oct 19, 2012  
FI 117267 - Exp. Oct 19, 2012  
FI 117417 - Exp. Oct 19, 2012  
FI 117419 - Exp. Oct 19, 2012  
FI 117535 - Exp. Oct 19, 2012  
FR (EP 0382892) - Exp. Oct 5, 2009  
FR (EP 0414193) - Exp. Aug 20, 2010  
FR (EP 0508925) - Exp. Feb 26, 2012  
FR (EP 0825780) - Exp. Oct 21, 2012  
FR (EP 984,635) - Exp. Oct 21, 2012  
FR (EP 984,636) - Exp. Oct 21, 2012  
FR (EP 1091589) - Exp. Oct 21, 2012  
FR (EP 1971130) - Exp. Jan 28, 2013  
GB (EP 0382892) - Exp. Oct 5, 2009  
GB (EP 0414193) - Exp. Aug 20, 2010  
GB (EP 0508925) - Exp. Feb 26, 2012  
GB (EP 0825780) - Exp. Oct 21, 2012  
GB (EP 984,635) - Exp. Oct 21, 2012  
GB (EP 984,636) - Exp. Oct 21, 2012  
GB (EP 1091589) - Exp. Oct 21, 2012  
GB (EP 1971130) - Exp. Jan 28, 2013  
HK 1008129 - Exp. Aug 20, 2010  
HK 1008133 - Exp. Oct 5, 2009  
HK 1009223 - Exp. Oct 21, 2012  
HK 1025863 - Exp. Oct 21, 2012  
HK 1025864 - Exp. Oct 21, 2012  
HK 1035289 - Exp. Oct 21, 2012  
IT (EP 0382892) - Exp. Oct 5, 2009  
IT (EP 0414193) - Exp. Aug 20, 2010  
IT (EP 0508925) - Exp. Feb 26, 2012  
IT (EP 0825780) - Exp. Oct 21, 2012  
IT (EP 984,635) - Exp. Oct 21, 2012  
IT (EP 984,636) - Exp. Oct 21, 2012  
IT (EP 1091589) - Exp. Oct 21, 2012  
JP 1,869,940 - Exp. Mar 8, 2005  
JP 2,037,728 - Exp. Jan 13, 2012  
JP 2,100,607 - Exp. Feb 14, 2009  
JP 2,128,624 - Exp. Aug 21, 2009  
JP 2,510,456 - Exp. Mar 8, 2005  
JP 2,577,745 - Exp. Aug 19, 2007  
JP 2,814,819 - Exp. Feb 19, 2012  
JP 2,924,430 - Exp. Apr 1, 2012  
JP 2,924,431 - Exp. Apr 2, 2012

JP 3,019,826 - Exp. Feb 19, 2012  
JP 3,019,827 - Exp. Feb 19, 2012  
JP 3,127,956 - Exp. Apr 2, 2012  
KR 58,957 - Exp. Dec 20, 2009  
KR 77,808 - Exp. Aug 20, 2010  
LI (EP 0825780) - Exp. Oct 21, 2012  
LI (EP 984,635) - Exp. Oct 21, 2012  
LI (EP 984,636) - Exp. Oct 21, 2012  
LI (EP 1091589) - Exp. Oct 21, 2012  
NL (EP 0414193) - Exp. Aug 20, 2010  
NL (EP 0825780) - Exp. Oct 21, 2012  
NL (EP 984,635) - Exp. Oct 21, 2012  
NL (EP 984,636) - Exp. Oct 21, 2012  
NL (EP 1091589) - Exp. Oct 21, 2012  
NL (EP 1971130) - Exp. Jan 28, 2013  
NO 306749 - Exp. Aug 21, 2010  
NO 307200 - Exp. Apr 6, 2012  
NO 310,849 - Exp. Oct 21, 2012  
NO 310,850 - Exp. Oct 21, 2012  
SE (EP 0382892) - Exp. Oct 5, 2009  
SE (EP 0414193) - Exp. Aug 20, 2010  
SE (EP 0825780) - Exp. Oct 21, 2012  
SE (EP 984,635) - Exp. Oct 21, 2012  
SE (EP 984,636) - Exp. Oct 21, 2012  
SE (EP 1091589) - Exp. Oct 21, 2012  
SG 45452 - Exp. Aug 19, 2010  
SG 64870 - Exp. Apr 6, 2012  
SG 65597 - Exp. Oct 21, 2012  
US 4,954,892 - Exp. Oct 3, 2009  
US 5,072,295 - Exp. Aug 19, 2010  
US 5,268,846 - Exp. Apr 9, 2011  
US 5,949,489 - Exp. Oct 15, 2012  
US 5,963,258 - Exp. Oct 15, 2012  
US 5,970,175 - Exp. Oct 15, 2012  
US 5,990,960 - Exp. Oct 15, 2012  
US 6,002,439 - Exp. Oct 15, 2012  
US 6,097,759 - Exp. Oct 15, 2012  
US 6,188,794 - Exp. Oct 15, 2012  
US 6,307,973 - Exp. Oct 15, 2012  
US 7,362,805 - Exp. Jan 28, 2013  
US 7,376,184 - Exp. May 30, 2014  
US 7,756,202 - Exp. Aug 5, 2013  
US 7,936,817 - Exp. Jan 28, 2013

### Multimedia Patent Trust

CA 2,024,135 - Exp. Aug 28, 2010  
DE (EP 0425089) - Exp. Sep 19, 2010  
DE (EP 0542474) - Exp. Nov 5, 2012

FR (EP 0425089) - Exp. Sep 19, 2010  
FR (EP 0542474) - Exp. Nov 5, 2012  
GB (EP 0425089) - Exp. Sep 19, 2010  
GB (EP 0542474) - Exp. Nov 5, 2012  
IT (EP 0542474) - Exp. Nov 5, 2012  
JP 3,104,942 - Exp. Nov 16, 2012  
JP 3,314,929 - Exp. Sep 27, 2010  
NL (EP 0542474) - Exp. Nov 5, 2012  
US 4,958,226 - Exp. Sep 26, 2009  
US 5,227,878 - Exp. Nov 14, 2011  
US 5,500,678 - Exp. Mar 17, 2014  
US 5,563,593 - Exp. Mar 17, 2014

### Nippon Telegraph and Telephone Corporation

JP 1,939,084 - Exp. Aug 5, 2005  
JP 2,562,499 - Exp. May 29, 2009

### Orange SA

DE (EP 0 248 711) - Exp. May 26, 2007  
FI 86241 - Exp. May 28, 2007  
FR 2599577 - Exp. May 29, 2006  
GB (EP 0 248 711) - Exp. May 26, 2007  
IT (EP 0 248 711) - Exp. May 26, 2007  
SE (EP 0 248 711) - Exp. May 26, 2007  
US 4,796,087 - Exp. May 31, 2007

### Panasonic Holdings Corporation

AU 612543-B2 - Exp. Apr 30, 2010  
AU 637,289 - Exp. Nov 4, 2012  
BE (EP 0541389) - Exp. Nov 6, 2012  
CA 2,016,523-C - Exp. May 10, 2010  
CA 2,082,280 - Exp. Nov 5, 2012  
CH (EP 0397402) - Exp. May 3, 2010  
DE (EP 0397402) - Exp. May 3, 2010  
DE (EP 0541389) - Exp. Nov 6, 2012  
DE (EP 0599529) - Exp. Nov 15, 2013  
ES 2091790 - Exp. May 3, 2010  
FR (EP 0397402) - Exp. May 3, 2010  
FR (EP 0526163) - Exp. Jul 28, 2012  
FR (EP 0541389) - Exp. Nov 6, 2012  
FR (EP 0599529) - Exp. Nov 15, 2013  
GB (EP 0397402) - Exp. May 3, 2010  
GB (EP 0526163) - Exp. Jul 28, 2012  
GB (EP 0541389) - Exp. Nov 6, 2012  
GB (EP 0599529) - Exp. Nov 15, 2013

IT (EP 0397402) - Exp. May 3, 2010  
IT (EP 0599529) - Exp. Nov 15, 2013  
JP 1,949,701 - Exp. Jun 26, 2009  
JP 2,524,044 - Exp. Jan 22, 2012  
JP 2,684,941 - Exp. Nov 25, 2012  
JP 2,695,244 - Exp. Jun 29, 2009  
JP 2,699,703 - Exp. Jul 31, 2011  
JP 2,794,899 - Exp. May 8, 2010  
JP 2,828,095 - Exp. Jun 29, 2009  
JP 2,882,161 - Exp. Feb 20, 2012  
JP 2,899,478 - Exp. Jun 25, 2012  
JP 2,938,677 - Exp. Jul 9, 2012  
JP 3,186,685 - Exp. Nov 8, 2011  
JP 3,265,290 - Exp. Oct 11, 2011  
JP 3,548,731 - Exp. Oct 11, 2011  
JP 3,809,117 - Exp. Oct 11, 2011  
JP 3,809,119 - Exp. Oct 11, 2011  
JP 3,809,120 - Exp. Oct 11, 2011  
JP 3,809,121 - Exp. Oct 11, 2011  
KR 63,477 - Exp. May 11, 2010  
KR 92,086 - Exp. Nov 6, 2012  
LI (EP 0397402) - Exp. May 3, 2010  
NL (EP 0397402) - Exp. May 3, 2010  
NL (EP 0526163) - Exp. Jul 28, 2012  
NL (EP 0541389) - Exp. Nov 6, 2012  
NL (EP 0599529) - Exp. Nov 15, 2013  
SE (EP 0397402) - Exp. May 3, 2010  
SE (EP 0541389) - Exp. Nov 6, 2012  
US Re 35,910 - Exp. May 10, 2010  
US Re 36,015 - Exp. Mar 26, 2012  
US Re 36,507 - Exp. Mar 26, 2012  
US Re 39,276 - Exp. Apr 27, 2015  
US Re 39,278 - Exp. Apr 27, 2015  
US Re 39,280 - Exp. Apr 27, 2015  
US 5,223,949 - Exp. Apr 16, 2012  
US 5,412,430 - Exp. Jul 30, 2012  
US 5,784,107 - Exp. Apr 20, 2012

### Robert Bosch GmbH

DE (EP 0279053) - Exp. Dec 11, 2007  
FR (EP 0279053) - Exp. Dec 11, 2007  
GB (EP 0279053) - Exp. Dec 11, 2007  
IT (EP 0279053) - Exp. Dec 11, 2007  
NL (EP 0279053) - Exp. Dec 11, 2007

### Samsung Electronics Co., Ltd.

DE (EP 0580454) - Exp. Jul 23, 2013



FR (EP 0580454) - Exp. Jul 23, 2013  
GB (EP 0580454) - Exp. Jul 23, 2013  
HK 1008711 - Exp. Jul 23, 2013  
JP 2,665,127 - Exp. Jun 18, 2013  
JP 3,159,853 - Exp. Nov 30, 2013  
JP 3,369,422 - Exp. Jun 22, 2013  
JP 3,442,028 - Exp. Jun 22, 2013  
KR 95,631 - Exp. Jul 23, 2012  
*KR 100,718 - Exp. Oct 16, 2013*  
KR 132,895 - Exp. Jul 24, 2012  
KR 166,715 - Exp. May 18, 2012  
KR 166716 - Exp. Jun 18, 2012  
KR 0166722 - Exp. Nov 30, 2012  
US 5,461,421 - Exp. Nov 28, 2013  
US 5,467,086 - Exp. Jun 17, 2013  
US 5,654,706 - Exp. Jul 22, 2013  
US 6,680,975 - Exp. Feb 28, 2013  
US 7,292,657 - Exp. Feb 28, 2013  
US 7,609,760 - Exp. Feb 28, 2013  
US 7,616,687 - Exp. Feb 28, 2013  
US 7,684,490 - Exp. Feb 28, 2013  
US 7,724,821 - Exp. Feb 28, 2013  
US 7,724,822 - Exp. Feb 28, 2013  
US 7,724,823 - Exp. Feb 28, 2013  
US 7,724,824 - Exp. Feb 28, 2013  
US 7,724,828 - Exp. Feb 28, 2013  
US 7,724,829 - Exp. Feb 28, 2013  
US 7,742,522 - Exp. Feb 28, 2013  
US 7,742,527 - Exp. Feb 28, 2013  
US 7,764,735 - Exp. Feb 28, 2013  
US 7,782,956 - Exp. Feb 28, 2013  
US 7,787,538 - Exp. Feb 28, 2013  
US 7,949,045 - Exp. Feb 28, 2013  
US 7,949,046 - Exp. Feb 28, 2013  
US 7,953,148 - Exp. Feb 28, 2013  
US 7,953,149 - Exp. Feb 28, 2013  
US 7,953,150 - Exp. Feb 28, 2013

#### SANYO Electric Co., Ltd.

JP 2,812,446 - Exp. Nov 21, 2011

#### Sharp Corporation

JP 2,951,861 - Exp. Mar 10, 2009

#### Sony Group Corporation

AT 185663 - Exp. Mar 1, 2014

AT (EP 0573665) - Exp. Dec 28, 2012  
AT (EP 0577365) - Exp. Jun 28, 2013  
AT (EP 0598904) - Exp. Jul 28, 2012  
AT (EP 0598904) - Exp. Jul 28, 2012  
AT (EP 0651574) - Exp. Mar 24, 2014  
AT (EP 0898426) - Exp. Jul 28, 2012  
AT (EP 0903944) - Exp. Mar 1, 2014  
AT (EP 0910213) - Exp. Sep 20, 2013  
AT (EP 0954182) - Exp. Mar 1, 2014  
AT (EP 2,276,258) - Exp. Mar 1, 2014  
AT (EP 2,276,259) - Exp. Mar 1, 2014  
AT (EP 2,375,753) - Exp. Mar 24, 2014  
AU 662548-B2 - Exp. Jul 28, 2012  
AU 667970 - Exp. Oct 28, 2013  
AU 669209-B2 - Exp. Sep 28, 2013  
AU 669,983 - Exp. Oct 12, 2010  
AU 670288 - Exp. Jun 29, 2013  
AU 670473 - Exp. Jan 17, 2014  
AU 672812 - Exp. Sep 20, 2013  
AU 673244-B2 - Exp. Mar 1, 2014  
AU 673,250 - Exp. Mar 24, 2014  
AU 700,535 - Exp. Mar 24, 2014  
BE (EP 0638218) - Exp. Mar 1, 2014  
BE (EP 0651574) - Exp. Mar 24, 2014  
BE (EP 0903944) - Exp. Mar 1, 2014  
BE (EP 0954182) - Exp. Mar 1, 2014  
BE (EP 2,276,258) - Exp. Mar 1, 2014  
BE (EP 2,276,259) - Exp. Mar 1, 2014  
BF (OA 10108) - Exp. Nov 1, 2014  
BJ (OA 10108) - Exp. Nov 1, 2014  
BR 9404321-1 - Exp. Mar 1, 2014  
CA 2,027,659 - Exp. Oct 15, 2010  
CA 2,092,295 - Exp. Jul 28, 2012  
CA 2,108,704 - Exp. Oct 19, 2013  
CA 2,118,118 - Exp. Mar 24, 2014  
CA 2,134,444 - Exp. Mar 1, 2014  
CF (OA 10108) - Exp. Nov 1, 2014  
CG (OA 10108) - Exp. Nov 1, 2014  
CH (EP 0638218) - Exp. Mar 1, 2014  
CH (EP 0651574) - Exp. Mar 24, 2014  
CH (EP 0903944) - Exp. Mar 1, 2014  
CH (EP 0954182) - Exp. Mar 1, 2014  
CH (EP 2,276,258) - Exp. Mar 1, 2014  
CH (EP 2,276,259) - Exp. Mar 1, 2014  
CI (OA 10108) - Exp. Nov 1, 2014  
CM (OA 10108) - Exp. Nov 1, 2014  
CN 1,043,945 - Exp. Sep 18, 2013  
CN 1,053,780 - Exp. Jun 29, 2013  
CN 1,054,486 - Exp. Oct 29, 2013

CN 1,056,716 - Exp. Sep 28, 2013  
CN 1,076,935 - Exp. Mar 1, 2014  
CN 1,143,545 - Exp. Sep 18, 2013  
CN 1251513 - Exp. Mar 23, 2014  
CN 94190140.8 - Exp. Mar 24, 2014  
DE (EP 0424026) - Exp. Oct 11, 2010  
DE (EP 0456433) - Exp. May 3, 2011  
DE (EP 0527011) - Exp. Jul 28, 2012  
DE (EP 0573665) - Exp. Dec 28, 2012  
DE (EP 0577365) - Exp. Jun 28, 2013  
DE (EP 0595562) - Exp. Oct 22, 2013  
DE (EP 0598904) - Exp. Jul 28, 2012  
DE (EP 0614592) - Exp. Sep 28, 2013  
DE (EP 0638218) - Exp. Mar 1, 2014  
DE (EP 0651574) - Exp. Mar 24, 2014  
DE (EP 0713340) - Exp. Oct 11, 2010  
DE (EP 0730376) - Exp. May 3, 2011  
DE (EP 0898426) - Exp. Jul 28, 2012  
DE (EP 0903944) - Exp. Mar 1, 2014  
DE (EP 0907289) - Exp. Jul 28, 2012  
DE (EP 0910213) - Exp. Sep 20, 2013  
DE (EP 0954182) - Exp. Mar 1, 2014  
DE (EP 2,276,258) - Exp. Mar 1, 2014  
DE (EP 2,276,259) - Exp. Mar 1, 2014  
DE (EP 2,375,753) - Exp. Mar 24, 2014  
DE 3854171-T2 - Exp. May 19, 2008  
DK (EP 0638218) - Exp. Mar 1, 2014  
DK (EP 0651574) - Exp. Mar 24, 2014  
DK (EP 0903944) - Exp. Mar 1, 2014  
DK (EP 0954182) - Exp. Mar 1, 2014  
DK (EP 2,276,258) - Exp. Mar 1, 2014  
DK (EP 2,276,259) - Exp. Mar 1, 2014  
EG 20330 - Exp. Feb 28, 2014  
ES (EP 0577365) - Exp. Jun 28, 2013  
ES (EP 0614592) - Exp. Sep 28, 2013  
ES (EP 0651574) - Exp. Mar 24, 2014  
ES (EP 0903944) - Exp. Mar 1, 2014  
ES (EP 0954182) - Exp. Mar 1, 2014  
ES 2,137,358 - Exp. Mar 1, 2014  
ES (EP 2,276,258) - Exp. Mar 1, 2014  
ES (EP 2,276,259) - Exp. Mar 1, 2014  
ES (EP 2,375,753) - Exp. Mar 24, 2014  
FR (EP 0424026) - Exp. Oct 11, 2010  
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FR (EP 0527011) - Exp. Jul 28, 2012  
FR (EP 0573665) - Exp. Dec 28, 2012  
FR (EP 0577365) - Exp. Jun 28, 2013  
FR (EP 0595562) - Exp. Oct 22, 2013  
FR (EP 0598904) - Exp. Jul 28, 2012

FR (EP 0614592) - Exp. Sep 28, 2013  
FR (EP 0638218) - Exp. Mar 1, 2014  
FR (EP 0651574) - Exp. Mar 24, 2014  
FR (EP 0713340) - Exp. Oct 11, 2010  
FR (EP 0730376) - Exp. May 3, 2011  
FR (EP 0898426) - Exp. Jul 28, 2012  
FR (EP 0903944) - Exp. Mar 1, 2014  
FR (EP 0907289) - Exp. Jul 28, 2012  
FR (EP 0910213) - Exp. Sep 20, 2013  
FR (EP 0954182) - Exp. Mar 1, 2014  
FR (EP 2,276,258) - Exp. Mar 1, 2014  
FR (EP 2,276,259) - Exp. Mar 1, 2014  
FR (EP 2,375,753) - Exp. Mar 24, 2014  
GA (OA 10108) - Exp. Nov 1, 2014  
GB (EP 0424026) - Exp. Oct 11, 2010  
GB (EP 0456433) - Exp. May 3, 2011  
GB (EP 0527011) - Exp. Jul 28, 2012  
GB (EP 0573665) - Exp. Dec 28, 2012  
GB (EP 0577365) - Exp. Jun 28, 2013  
GB (EP 0595562) - Exp. Oct 22, 2013  
GB (EP 0598904) - Exp. Jul 28, 2012  
GB (EP 0614592) - Exp. Sep 28, 2013  
GB (EP 0638218) - Exp. Mar 1, 2014  
GB (EP 0651574) - Exp. Mar 24, 2014  
GB (EP 0713340) - Exp. Oct 11, 2010  
GB (EP 0730376) - Exp. May 3, 2011  
GB (EP 0903944) - Exp. Mar 1, 2014  
GB (EP 0954182) - Exp. Mar 1, 2014  
GB (EP 1,030,523) - Exp. Sep 20, 2013  
GB (EP 1047270) - Exp. Jul 28, 2012  
GB (EP 1049335) - Exp. Jul 28, 2012  
GB 2205710-B2 - Exp. Dec 4, 2007  
GB (EP 2,276,258) - Exp. Mar 1, 2014  
GB (EP 2,276,259) - Exp. Mar 1, 2014  
GB 2289194 - Exp. Aug 11, 2012  
GB 2289195 - Exp. Aug 11, 2012  
GB (EP 2,375,753) - Exp. Mar 24, 2014  
GN (OA 10108) - Exp. Nov 1, 2014  
GR (EP 0651574) - Exp. Mar 24, 2014  
GR (EP 0903944) - Exp. Mar 1, 2014  
GR (EP 0954182) - Exp. Mar 1, 2014  
GR (EP 2,276,258) - Exp. Mar 1, 2014  
GR (EP 2,276,259) - Exp. Mar 1, 2014  
GR 3,032,133 - Exp. Mar 1, 2014  
GW (OA 10108) - Exp. Nov 1, 2014  
HK 1013570 - Exp. Jul 28, 2012  
HK 1,013,573 - Exp. Sep 28, 2013  
HK 1,013,575 - Exp. Mar 1, 2014  
HK 1,014,415 - Exp. May 3, 2011  
HK 1,023,032 - Exp. May 3, 2011  
HK 1025448 - Exp. Mar 1, 2014  
HK 1,032,871 - Exp. Jul 28, 2012  
HK 1,033,059 - Exp. Jul 28, 2012  
HU 217744 - Exp. Mar 1, 2014  
IE (EP 0638218) - Exp. Mar 1, 2014  
IE (EP 0651574) - Exp. Mar 24, 2014  
IE (EP 0903944) - Exp. Mar 1, 2014  
IE (EP 0954182) - Exp. Mar 1, 2014  
IE (EP 2,276,258) - Exp. Mar 1, 2014  
IE (EP 2,276,259) - Exp. Mar 1, 2014  
IL 108787 - Exp. Feb 27, 2014  
IN 188,824 - Exp. Feb 24, 2014  
IN 189758 - Exp. Feb 24, 2014  
IT (EP 0573665) - Exp. Dec 28, 2012  
IT (EP 0577365) - Exp. Jun 28, 2013  
IT (EP 0595562) - Exp. Oct 22, 2013  
IT (EP 0598904) - Exp. Jul 28, 2012  
IT (EP 0598904) - Exp. Jul 28, 2012  
IT (EP 0614592) - Exp. Sep 28, 2013  
IT (EP 0638218) - Exp. Mar 1, 2014  
IT (EP 0651574) - Exp. Mar 24, 2014  
IT (EP 0898426) - Exp. Jul 28, 2012  
IT (EP 0903944) - Exp. Mar 1, 2014  
IT (EP 0910213) - Exp. Sep 20, 2013  
IT (EP 0954182) - Exp. Mar 1, 2014  
IT (EP 2,276,258) - Exp. Mar 1, 2014  
IT (EP 2,276,259) - Exp. Mar 1, 2014  
IT (EP 2,375,753) - Exp. Mar 24, 2014  
JP 2,712,645 - Exp. Oct 14, 2009  
JP 2,874,745 - Exp. May 9, 2010  
JP 2,877,225 - Exp. May 9, 2010  
JP 2,969,782 - Exp. May 9, 2010  
JP 2,977,104 - Exp. Jul 26, 2011  
JP 3,009,073 - Exp. Aug 19, 2011  
JP 3,159,310 - Exp. Oct 14, 2009  
JP 3,257,052 - Exp. Jul 28, 2012  
JP 3,257,643 - Exp. Jan 18, 2013  
JP 3,331,351 - Exp. Dec 28, 2012  
JP 3,348,310 - Exp. Jul 1, 2013  
JP 3,348,356 - Exp. Jul 1, 2013  
JP 3,356,413 - Exp. Dec 14, 2012  
JP 3,358,835 - Exp. Dec 14, 2012  
JP 3,381,167 - Exp. Jul 28, 2012  
JP 3,449,370 - Exp. Dec 28, 2012  
JP 3,465,660 - Exp. Jul 6, 2013  
JP 3,496,926 - Exp. Dec 28, 2012  
JP 3,531,594 - Exp. Sep 20, 2013  
JP 3,593,988 - Exp. Mar 1, 2014  
JP 3,610,578 - Exp. Mar 1, 2014  
JP 3,614,159 - Exp. Mar 24, 2014  
JP 3,614,160 - Exp. Mar 24, 2014  
JP 3,689,437 - Exp. Sep 20, 2013  
JP 3,689,626 - Exp. Sep 20, 2013  
KR 141,705 - Exp. Mar 24, 2013  
KR 221,889 - Exp. May 9, 2011  
KR 233,419 - Exp. Oct 19, 2010  
KR 233,764 - Exp. Jul 24, 2012  
KR 260,475 - Exp. Dec 28, 2012  
KR 265,193 - Exp. Dec 8, 2013  
KR 272,812 - Exp. Jul 24, 2012  
KR 287490 - Exp. Mar 1, 2014  
KR 289,586 - Exp. Sep 28, 2013  
KR 297,654 - Exp. Sep 18, 2013  
KR 308,099 - Exp. Mar 24, 2014  
KR 335,707 - Exp. Oct 29, 2013  
KR 345,968 - Exp. Jun 28, 2013  
LI (EP 0638218) - Exp. Mar 1, 2014  
LI (EP 0651574) - Exp. Mar 24, 2014  
LI (EP 0903944) - Exp. Mar 1, 2014  
LI (EP 0954182) - Exp. Mar 1, 2014  
LI (EP 2,276,258) - Exp. Mar 1, 2014  
LI (EP 2,276,259) - Exp. Mar 1, 2014  
LU (EP 0638218) - Exp. Mar 1, 2014  
LU (EP 0651574) - Exp. Mar 24, 2014  
LU (EP 0903944) - Exp. Mar 1, 2014  
LU (EP 0954182) - Exp. Mar 1, 2014  
LU (EP 2,276,258) - Exp. Mar 1, 2014  
LU (EP 2,276,259) - Exp. Mar 1, 2014  
MC (EP 0638218) - Exp. Mar 1, 2014  
MC (EP 0651574) - Exp. Mar 24, 2014  
MC (EP 0903944) - Exp. Mar 1, 2014  
MC (EP 0954182) - Exp. Mar 1, 2014  
MC (EP 2,276,258) - Exp. Mar 1, 2014  
MC (EP 2,276,259) - Exp. Mar 1, 2014  
ML (OA 10108) - Exp. Nov 1, 2014  
MR (OA 10108) - Exp. Nov 1, 2014  
MX 197,778 - Exp. Feb 27, 2014  
MX 257,371 - Exp. Feb 28, 2014  
MY 109,945 - Exp. Oct 31, 2012  
MY 110794 - Exp. Apr 30, 2014  
MY 118444 - Exp. Nov 30, 2019  
NE (OA 10108) - Exp. Nov 1, 2014  
NL (EP 0573665) - Exp. Dec 28, 2012  
NL (EP 0577365) - Exp. Jun 28, 2013  
NL (EP 0595562) - Exp. Oct 22, 2013  
NL (EP 0614592) - Exp. Sep 28, 2013  
NL (EP 0638218) - Exp. Mar 1, 2014

NL (EP 0651574) - Exp. Mar 24, 2014  
NL (EP 0903944) - Exp. Mar 1, 2014  
NL (EP 0910213) - Exp. Sep 20, 2013  
NL (EP 0954182) - Exp. Mar 1, 2014  
NL (EP 2,276,258) - Exp. Mar 1, 2014  
NL (EP 2,276,259) - Exp. Mar 1, 2014  
NL (EP 2,375,753) - Exp. Mar 24, 2014  
NZ 261907-B - Exp. Mar 1, 2014  
PL 173287 - Exp. Mar 1, 2014  
PT (EP 0638218) - Exp. Mar 1, 2014  
PT (EP 0651574) - Exp. Mar 24, 2014  
PT (EP 0903944) - Exp. Mar 1, 2014  
PT (EP 0954182) - Exp. Mar 1, 2014  
PT (EP 2,276,258) - Exp. Mar 1, 2014  
PT (EP 2,276,259) - Exp. Mar 1, 2014  
PT (EP 2,375,753) - Exp. Mar 24, 2014  
RU 2,119,727 - Exp. Mar 1, 2014  
SE (EP 0638218) - Exp. Mar 1, 2014  
SE (EP 0651574) - Exp. Mar 24, 2014  
SE (EP 0903944) - Exp. Mar 1, 2014  
SE (EP 0954182) - Exp. Mar 1, 2014  
SE (EP 2,276,258) - Exp. Mar 1, 2014  
SE (EP 2,276,259) - Exp. Mar 1, 2014  
SE (EP 2,375,753) - Exp. Mar 24, 2014  
SG 97743 - Exp. Aug 11, 2012  
SN (OA 10108) - Exp. Nov 1, 2014  
TD (OA 10108) - Exp. Nov 1, 2014  
TG (OA 10108) - Exp. Nov 1, 2014  
TH 33620 - Exp. Feb 27, 2014  
TR 28436-B - Exp. Mar 1, 2014  
TW 66605-B - Exp. Aug 18, 2013  
TW 70,497 - Exp. May 24, 2013  
US Re 37,222 - Exp. Oct 11, 2010  
US 4,864,393 - Exp. May 30, 2008  
US 5,191,436 - Exp. Apr 29, 2011  
US 5,291,486 - Exp. Aug 6, 2012  
US 5,298,991 - Exp. Jul 23, 2012  
US 5,343,248 - Exp. Jul 15, 2012  
US 5,428,396 - Exp. Jul 23, 2012  
US 5,461,420 - Exp. Sep 16, 2013  
US 5,481,553 - Exp. Feb 27, 2014  
US 5,510,840 - Exp. Apr 22, 2013  
US 5,539,466 - Exp. Jul 22, 2013  
US 5,543,847 - Exp. Dec 12, 2013  
US 5,559,557 - Exp. Sep 27, 2013  
US 5,663,763 - Exp. Sep 1, 2014  
US 5,666,461 - Exp. Sep 8, 2014  
US 5,701,164 - Exp. Mar 23, 2014  
US 5,946,042 - Exp. Mar 23, 2014

US 5,982,437 - Exp. Nov 8, 2016  
US 6,040,863 - Exp. Mar 23, 2014  
US 6,160,849 - Exp. Dec 11, 2017  
US 7,627,041 - Exp. Aug 30, 2014  
US 8,155,209 - Exp. Jan 12, 2014  
US 8,155,210 - Exp. Jan 12, 2014  
US 8,160,155 - Exp. Jan 12, 2014  
US 8,249,169 - Exp. Jan 12, 2014  
US 8,254,465 - Exp. Jan 12, 2014  
US 8,279,939 - Exp. Apr 23, 2016  
US 8,279,941 - Exp. Jan 12, 2014  
US 8,300,706 - Exp. Jan 12, 2014  
US 8,320,468 - Exp. Jan 12, 2014  
US 8,320,469 - Exp. Jan 12, 2014

### The Trustees of Columbia University in the City of New York

CA 2,096,431-C - Exp. Dec 3, 2011  
DE (EP 0564597) - Exp. Dec 3, 2011  
DE (EP 0630157) - Exp. Dec 3, 2011  
FR (EP 0564597) - Exp. Dec 3, 2011  
FR (EP 0630157) - Exp. Dec 3, 2011  
GB (EP 0564597) - Exp. Dec 3, 2011  
GB (EP 0630157) - Exp. Dec 3, 2011  
JP 2,746,749 - Exp. Dec 3, 2011  
US Re 35,093 - Exp. Dec 2, 2010

### Thomson Licensing

AT 46238 E - Exp. Oct 1, 2005  
AT 140356 E - Exp. Apr 14, 2012  
BE (EP 0197126) - Exp. Oct 1, 2005  
BE (EP 0608231) - Exp. Apr 14, 2012  
BR PI 9401963-0 - Exp. May 12, 2014  
BR PI 9501751-8 - Exp. Apr 19, 2015  
CA 1,285,064 - Exp. Jun 18, 2008  
CA 2,108,778 - Exp. Apr 14, 2012  
CA 2,136,616 - Exp. May 20, 2013  
CA 2,145,904 - Exp. Mar 30, 2015  
CA 2306971 - Exp. May 20, 2013  
CA 2,328,581 - Exp. Apr 14, 2012  
CA 2,387,154 - Exp. Mar 15, 2015  
CA 2,387,254 - Exp. May 20, 2013  
CH (EP 0197126) - Exp. Oct 1, 2005  
CH (EP 0608231) - Exp. Apr 14, 2012  
CN 1051429C - Exp. Jun 18, 2013  
CN 1055594 - Exp. Jun 18, 2013

CN 1087559C - Exp. May 12, 2014  
CN 1099808C - Exp. Nov 29, 2014  
CN 1,106,745 - Exp. Apr 21, 2015  
CN 1196331 - Exp. Nov 29, 2014  
CN 1,222,168 - Exp. Apr 21, 2015  
CN 1236620C - Exp. May 12, 2014  
CN 1253007C - Exp. May 12, 2014  
CN 100377594 - Exp. Mar 15, 2015  
CN 100488255 - Exp. May 12, 2014  
CN 100493168 - Exp. Apr 21, 2015  
CN 100515091 - Exp. May 12, 2014  
DE (EP 0197126) - Exp. Jul 4, 2001  
DE (EP 0276985) - Exp. Jan 26, 2008  
DE (EP 0608231) - Exp. Apr 14, 2012  
DE (EP 0624982) - Exp. May 4, 2014  
DE (EP 0679030) - Exp. Apr 12, 2015  
DE (EP 0844792) - Exp. May 20, 2013  
DE (EP 1,263,234) - Exp. May 20, 2013  
DK 166597 - Exp. Oct 1, 2005  
ES (EP 0624982) - Exp. May 4, 2014  
ES (EP 0844792) - Exp. May 20, 2013  
ES (EP 1,263,234) - Exp. May 20, 2013  
ES 2090628 T3 - Exp. Apr 14, 2012  
ES 2145173 T3 - Exp. Apr 12, 2015  
FI 82166 - Exp. Oct 1, 2005  
FI 112147 - Exp. May 20, 2013  
FI 117266 - Exp. May 20, 2013  
FI 117844 - Exp. May 20, 2013  
FR (EP 0197126) - Exp. Oct 1, 2005  
FR 0276985 - Exp. Jan 26, 2008  
FR (EP 0608231) - Exp. Apr 14, 2012  
FR (EP 0624982) - Exp. May 4, 2014  
FR (EP 0679030) - Exp. Apr 12, 2015  
FR (EP 0844792) - Exp. May 20, 2013  
FR (EP 1,263,234) - Exp. May 20, 2013  
GB (EP 0197126) - Exp. Oct 1, 2005  
GB (EP 0276985) - Exp. Jan 26, 2008  
GB (EP 0608231) - Exp. Apr 14, 2012  
GB (EP 0624982) - Exp. May 4, 2014  
GB (EP 0679030) - Exp. Apr 12, 2015  
GB (EP 0844792) - Exp. May 20, 2013  
GB (EP 1,263,234) - Exp. May 20, 2013  
HK 42/91 - Exp. Oct 1, 2005  
HK 821/96 - Exp. Jan 26, 2008  
HK 2088/96 - Exp. Apr 14, 2012  
HK 1059522 - Exp. Mar 15, 2015  
HK 1063403 - Exp. May 12, 2014  
HK 1063404 - Exp. May 12, 2014  
IT 23955 BE 89 - Exp. Oct 1, 2005



IT 25254 BE 96 - Exp. Apr 14, 2012  
IT 49759 BE 2000 - Exp. Apr 12, 2015  
IT (EP 0276985) - Exp. Jan 26, 2008  
IT (EP 0624982) - Exp. May 4, 2014  
IT (EP 0844792) - Exp. May 20, 2013  
IT (EP 1,263,234) - Exp. May 20, 2013  
JP 3,040,410 - Exp. Dec 30, 2008  
JP 3,093,266 - Exp. Apr 14, 2012  
JP 3,258,984 - Exp. Dec 30, 2008  
JP 3,267,620 - Exp. May 20, 2013  
JP 3,469,232 - Exp. Dec 30, 2008  
JP 3,507,766 - Exp. May 20, 2013  
JP 3,561,326 - Exp. Apr 24, 2015  
JP 3,572,067 - Exp. May 20, 2013  
JP 3,645,286 - Exp. May 6, 2014  
JP 3,761,525 - Exp. Dec 1, 2008  
JP 4,122,370 - Exp. Mar 15, 2015  
JP 4,201,743 - Exp. May 6, 2014  
JP 4,208,089 - Exp. May 6, 2014  
JP 4,316,008 - Exp. Mar 15, 2015  
JP 4,357,594 - Exp. Nov 30, 2013  
JP 4,358,691 - Exp. May 6, 2014  
JP 4,379,824 - Exp. May 6, 2014  
JP 4,379,826 - Exp. May 6, 2014  
JP 4,404,271 - Exp. Mar 15, 2015  
JP 4,420,298 - Exp. Mar 15, 2015  
JP 4,458,438 - Exp. Mar 15, 2015  
JP 4,475,475 - Exp. Mar 15, 2015  
JP 4,475,476 - Exp. Mar 15, 2015  
JP 4,492,972 - Exp. May 6, 2014  
JP 4,535,344 - Exp. Mar 15, 2015  
JP 4,553,273 - Exp. May 6, 2014  
JP 4,582,670 - Exp. Mar 15, 2015  
JP 4,648,489 - Exp. Nov 30, 2013  
JP 4,688,235 - Exp. May 6, 2014  
JP 4,688,236 - Exp. May 6, 2014  
JP 4,748,623 - Exp. Mar 15, 2015  
JP 4,753,324 - Exp. May 6, 2014  
JP 4,753,325 - Exp. May 6, 2014  
JP 4,754,648 - Exp. Nov 30, 2013  
JP 4,808,812 - Exp. Nov 30, 2013  
JP 4,845,156 - Exp. May 6, 2014  
JP 4,863,326 - Exp. Nov 30, 2013  
JP 4,863,328 - Exp. Mar 15, 2015  
JP 4,953,262 - Exp. Mar 15, 2015  
JP 4,979,039 - Exp. May 6, 2014  
JP 5,051,554 - Exp. May 6, 2014  
JP 5,110,721 - Exp. Nov 30, 2013  
JP 5,119,522 - Exp. Nov 30, 2013  
JP 5,131,867 - Exp. Mar 15, 2015  
JP 5,131,874 - Exp. Mar 15, 2015  
JP 5,182,966 - Exp. Mar 15, 2015  
JP 5,182,967 - Exp. Mar 15, 2015  
JP 5,182,969 - Exp. Mar 15, 2015  
JP 5,264,003 - Exp. Nov 30, 2013  
JP 5,331,140 - Exp. Mar 15, 2015  
JP 5,366,334 - Exp. May 6, 2014  
JP 5,366,342 - Exp. May 6, 2014  
JP 5,441,134 - Exp. Mar 15, 2015  
JP 5,441,138 - Exp. Mar 15, 2015  
JP 5,441,139 - Exp. Mar 15, 2015  
JP 5,441,140 - Exp. Mar 15, 2015  
JP 5,574,462 - Exp. Mar 15, 2015  
JP 5,574,463 - Exp. Mar 15, 2015  
KR 135,635 - Exp. Jan 16, 2013  
KR 284396 - Exp. May 20, 2013  
KR 289559 - Exp. May 20, 2013  
KR 327684 - Exp. Nov 30, 2013  
KR 330267 - Exp. Apr 19, 2015  
KR 333229 - Exp. Apr 14, 2012  
KR 338222 - Exp. May 11, 2014  
KR 357506 - Exp. Apr 19, 2015  
KR 400800 - Exp. Mar 15, 2015  
LI (EP 0197126) - Exp. Oct 1, 2005  
LI (EP 0608231) - Exp. Apr 14, 2012  
LU (EP 0197126) - Exp. Oct 1, 2005  
LU (EP 0608231) - Exp. Apr 14, 2012  
MX 181083 - Exp. Jun 17, 2013  
MX 186399 - Exp. Apr 21, 2015  
MX 188237 - Exp. May 11, 2014  
MX 198312 - Exp. May 11, 2014  
MY 111265-A - Exp. Oct 29, 2014  
MY 112768-A - Exp. Aug 29, 2016  
MY 118734-A - Exp. Jan 31, 2020  
NL (EP 0197126) - Exp. Oct 1, 2005  
NL (EP 0608231) - Exp. Apr 14, 2012  
NO (EP 0197126) - Exp. Oct 1, 2005  
PH 1-1995-50216 - Exp. Feb 13, 2020  
PT (EP 0844792) - Exp. May 20, 2013  
PT (EP 1,263,234) - Exp. May 20, 2013  
RU 2,117,411 - Exp. May 12, 2014  
RU 2,154,353 - Exp. Apr 21, 2015  
RU 2,198,469 - Exp. May 12, 2014  
SE (EP 0197126) - Exp. Oct 1, 2005  
SG 30349 - Exp. Apr 18, 2015  
SG 50678 - Exp. Apr 14, 2012  
SG 73957 - Exp. May 4, 2014  
SG 93764 - Exp. May 19, 2013  
SG 117390 - Exp. May 3, 2014  
SG 133401 - Exp. May 20, 2013  
SG 134972 - Exp. May 20, 2013  
SG 142168 - Exp. May 3, 2014  
SG 178,633 - Exp. May 3, 2014  
SG 178,634 - Exp. May 3, 2014  
SG 9091016-7 - Exp. Oct 1, 2005  
SG 9690226-7 - Exp. Jan 26, 2008  
TH 17310 - Exp. Apr 17, 2014  
TH 39,145 - Exp. Apr 24, 2014  
TH 39,146 - Exp. Apr 24, 2014  
TH 39,147 - Exp. Apr 24, 2014  
TH 39,148 - Exp. Apr 24, 2014  
TR 28866 - Exp. Apr 20, 2015  
TR 29198 - Exp. May 9, 2014  
TW NI-68881 - Exp. Apr 24, 2014  
TW NI-070435 - Exp. Aug 30, 2014  
TW NI-083282 - Exp. Feb 17, 2014  
US 4,800,432 - Exp. Oct 23, 2006  
US 4,969,055 - Exp. Nov 5, 2007  
US 5,289,276 - Exp. Jun 18, 2012  
US 5,365,272 - Exp. Jun 18, 2012  
US 5,381,181 - Exp. May 12, 2013  
US 5,422,676 - Exp. Oct 21, 2013  
US 5,442,400 - Exp. Apr 28, 2013  
US 5,459,789 - Exp. Apr 21, 2014  
US 5,483,287 - Exp. Jun 18, 2012  
US 5,565,923 - Exp. May 12, 2013  
US 5,784,110 - Exp. Jul 20, 2015  
US 7,020,204 - Exp. Jan 29, 2010  
US 7,334,248 - Exp. Feb 13, 2018  
VN 600 - Exp. Apr 7, 2015

### Toshiba Corporation

JP 2,755,851 - Exp. Oct 17, 2011  
JP 2,758,378 - Exp. Oct 17, 2011  
JP 2,883,585 - Exp. Oct 17, 2011  
JP 2,883,592 - Exp. Oct 17, 2011  
US 5,317,397 - Exp. May 28, 2012  
US 5,424,779 - Exp. Jun 12, 2012  
US 5,467,136 - Exp. Jun 12, 2012  
US 5,742,344 - Exp. May 28, 2012  
US 5,986,713 - Exp. May 28, 2012

---

<sup>1</sup>This patent is a counterpart of US Patent No. 5,565,923 owned by, and



April 1, 2023

MPEG-2 Attachment 1

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separately listed under, Thomson  
Licensing.

**Addendum of Patents Removed From Attachment 1**General Instrument

DE	P3789273.8	removed as of October 1, 1999
FR	0266049	removed as of October 1, 1999
GB	0266049	removed as of October 1, 1999
IT	0266049	removed as of October 1, 1999

JVCKENWOOD Corporation<sup>3</sup>

DE	69012405	removed as of October 1, 1999
FR	0395440-B	removed as of October 1, 1999
GB	0395440-B	removed as of October 1, 1999
NL	0395440-B	removed as of October 1, 1999

Sony Group Corporation

GB	2289196	removed as of October 1, 1999
GB	2259229	removed as of October 1, 1999

Thomson Licensing

DE	3572907	lapsed effective July 4, 2001
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