

**GE Technology Development, Inc.**

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*MY 128994<sup>1</sup>*  
*MY 141626-A*  
PH 1-1993-47458

**Sony Corporation**

MY 118444

**Thomson Licensing**

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\*Patent numbers in italics denote MPEG-2/MPEG-2 Systems patents.

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US 5,784,107 - Expired April 20, 2012  
US Re 35,910 - Expired May 10, 2010  
US Re 36,015 - Expired March 26, 2012

US Re 36,507 - Expired March 26, 2012  
US Re 39,276 - Expired April 27, 2015  
US Re 39,278 - Expired April 27, 2015  
US Re 39,280 - Expired April 27, 2015

**Robert Bosch GmbH**

DE 3769306 - Expired December 11, 2007  
FR 0279053 - Expired December 11, 2007  
GB 0279053 - Expired December 11, 2007  
IT 0279053 - Expired December 11, 2007  
NL 0279053 - Expired December 11, 2007

**Samsung Electronics Co., Ltd.**

DE 69321781 - Expired July 23, 2013  
FR 0580454 - Expired July 23, 2013  
GB 0580454 - Expired July 23, 2013  
HK 1008711 - Expired July 23, 2013  
JP 2,665,127 - Expired June 18, 2013  
JP 3,159,853 - Expired November 30, 2013  
JP 3,369,422 - Expired June 22, 2013  
JP 3,442,028 - Expired June 22, 2013  
KR 0166722 - Expired November 30, 2012  
*KR 100,718 - Expired October 16, 2013*  
KR 132,895 - Expired July 24, 2012  
KR 166,715 - Expired May 18, 2012  
KR 166716 - Expired June 18, 2012  
KR 95,631 - Expired July 23, 2012  
US 5,461,421 - Expired November 28, 2013  
US 5,467,086 - Expired June 17, 2013  
US 5,654,706 - Expired July 22, 2013  
US 6,680,975 - Expired February 28, 2013  
US 7,292,657 - Expired February 28, 2013  
US 7,609,760 - Expired February 28, 2013  
US 7,616,687 - Expired February 28, 2013  
US 7,684,490 - Expired February 28, 2013  
US 7,724,821 - Expired February 28, 2013  
US 7,724,822 - Expired February 28, 2013  
US 7,724,823 - Expired February 28, 2013  
US 7,724,824 - Expired February 28, 2013  
US 7,724,828 - Expired February 28, 2013  
US 7,724,829 - Expired February 28, 2013  
US 7,742,522 - Expired February 28, 2013  
US 7,742,527 - Expired February 28, 2013  
US 7,764,735 - Expired February 28, 2013  
US 7,782,956 - Expired February 28, 2013  
US 7,787,538 - Expired February 28, 2013  
US 7,949,045 - Expired February 28, 2013  
US 7,949,046 - Expired February 28, 2013  
US 7,953,148 - Expired February 28, 2013

US 7,953,149 - Expired February 28, 2013

US 7,953,150 - Expired February 28, 2013

**SANYO Electric Co., Ltd.**

JP 2,812,446 - Expired November 21, 2011

**Sharp Corporation**

JP 2,951,861 - Expired March 10, 2009

**Sony Corporation**

AT 0573665 - Expired December 28, 2012

AT 0598904 - Expired July 28, 2012

AT 0903944 - Expired March 1, 2014

AT 0954182 - Expired March 1, 2014

AT 185663 - Expired March 1, 2014

AT 191598 - Expired June 28, 2013

AT 2,276,258 - Expired March 1, 2014

AT 2,276,259 - Expired March 1, 2014

AT 204691 - Expired March 24, 2014

AT 209422 - Expired July 28, 2012

AT 224627 - Expired July 28, 2012

AT E 254376 - Expired September 20, 2013

AT-E 632,172 - Expired March 24, 2014

AU 662548-B2 - Expired July 28, 2012

AU 667970 - Expired October 28, 2013

AU 669,983 - Expired October 12, 2010

AU 669209-B2 - Expired September 28, 2013

AU 670288 - Expired June 29, 2013

AU 670473 - Expired January 17, 2014

AU 672812 - Expired September 20, 2013

AU 673,250 - Expired March 24, 2014

AU 673244-B2 - Expired March 1, 2014

AU 700,535 - Expired March 24, 2014

BE 0638218 - Expired March 1, 2014

BE 0651574 - Expired March 24, 2014

BE 0903944 - Expired March 1, 2014

BE 0954182 - Expired March 1, 2014

BE 2,276,258 - Expired March 1, 2014

BE 2,276,259 - Expired March 1, 2014

BF 10108 - Expired November 1, 2014

BJ 10108 - Expired November 1, 2014

BR 9404321-1 - Expired March 1, 2014

CA 2,027,659 - Expired October 15, 2010

CA 2,092,295 - Expired July 28, 2012

CA 2,108,704 - Expired October 19, 2013

CA 2,118,118 - Expired March 24, 2014

CA 2,134,444 - Expired March 1, 2014

CF 10108 - Expired November 1, 2014

CG 10108 - Expired November 1, 2014  
CH 0638218 - Expired March 1, 2014  
CH 0651574 - Expired March 24, 2014  
CH 0903944 - Expired March 1, 2014  
CH 0954182 - Expired March 1, 2014  
CH 2,276,258 - Expired March 1, 2014  
CH 2,276,259 - Expired March 1, 2014  
CI 10108 - Expired November 1, 2014  
CM 10108 - Expired November 1, 2014  
CN 1,043,945 - Expired September 18, 2013  
CN 1,053,780 - Expired June 29, 2013  
CN 1,054,486 - Expired October 29, 2013  
CN 1,056,716 - Expired September 28, 2013  
CN 1,076,935 - Expired March 1, 2014  
CN 1,143,545 - Expired September 18, 2013  
CN 1251513 - Expired March 23, 2014  
CN 94190140.8 - Expired March 24, 2014  
DE 3854171-T2 - Expired May 19, 2008  
DE 69031107 - Expired October 11, 2010  
DE 69033782 - Expired October 11, 2010  
DE 69127224 - Expired May 3, 2011  
DE 69132783 - Expired May 3, 2011  
DE 69227185 - Expired December 28, 2012  
DE 69229153 - Expired July 28, 2012  
DE 69229229 - Expired July 28, 2012  
DE 69232357.0 - Expired July 28, 2012  
DE 69232784.3 - Expired July 28, 2012  
DE 69324993.5 - Expired October 22, 2013  
DE 69328277 - Expired June 28, 2013  
DE 69328472 - Expired September 28, 2013  
DE 69333298 - Expired September 20, 2013  
DE 69421135 - Expired March 1, 2014  
DE 69428019 - Expired March 24, 2014  
DE 69433272 - Expired March 1, 2014  
DE 69435380.9 - Expired March 1, 2014  
DE 69435382.5 - Expired March 1, 2014  
DE 69435383.3 - Expired March 1, 2014  
DE 69435403 - Expired March 24, 2014  
DK 0638218 - Expired March 1, 2014  
DK 0651574 - Expired March 24, 2014  
DK 0903944 - Expired March 1, 2014  
DK 0954182 - Expired March 1, 2014  
DK 2,276,258 - Expired March 1, 2014  
DK 2,276,259 - Expired March 1, 2014  
EG 20330 - Expired February 28, 2014  
ES 0903944 - Expired March 1, 2014  
ES 0954182 - Expired March 1, 2014  
ES 2,137,358 - Expired March 1, 2014  
ES 2,276,258 - Expired March 1, 2014  
ES 2,276,259 - Expired March 1, 2014  
ES 2,375,753 - Expired March 24, 2014

ES 2145031 - Expired June 28, 2013  
ES 2145059 - Expired September 28, 2013  
ES 2159553 - Expired March 24, 2014  
FR 0424026 - Expired October 11, 2010  
FR 0456433 - Expired May 3, 2011  
FR 0527011 - Expired July 28, 2012  
FR 0573665 - Expired December 28, 2012  
FR 0577365 - Expired June 28, 2013  
FR 0595562 - Expired October 22, 2013  
FR 0598904 - Expired July 28, 2012  
FR 0614592 - Expired September 28, 2013  
FR 0638218 - Expired March 1, 2014  
FR 0651574 - Expired March 24, 2014  
FR 0713340 - Expired October 11, 2010  
FR 0730376 - Expired May 3, 2011  
FR 0898426 - Expired July 28, 2012  
FR 0903944 - Expired March 1, 2014  
FR 0907289 - Expired July 28, 2012  
FR 0910213 - Expired September 20, 2013  
FR 0954182 - Expired March 1, 2014  
FR 2,276,258 - Expired March 1, 2014  
FR 2,276,259 - Expired March 1, 2014  
FR 2,375,753 - Expired March 24, 2014  
GA 10108 - Expired November 1, 2014  
GB 0424026 - Expired October 11, 2010  
GB 0456433 - Expired May 3, 2011  
GB 0527011 - Expired July 28, 2012  
GB 0573665 - Expired December 28, 2012  
GB 0577365 - Expired June 28, 2013  
GB 0595562 - Expired October 22, 2013  
GB 0598904 - Expired July 28, 2012  
GB 0614592 - Expired September 28, 2013  
GB 0638218 - Expired March 1, 2014  
GB 0651574 - Expired March 24, 2014  
GB 0713340 - Expired October 11, 2010  
GB 0730376 - Expired May 3, 2011  
GB 0903944 - Expired March 1, 2014  
GB 0954182 - Expired March 1, 2014  
GB 1,030,523 - Expired September 20, 2013  
GB 1047270 - Expired July 28, 2012  
GB 1049335 - Expired July 28, 2012  
GB 2,276,258 - Expired March 1, 2014  
GB 2,276,259 - Expired March 1, 2014  
GB 2,375,753 - Expired March 24, 2014  
GB 2205710-B2 - Expired December 4, 2007  
GB 2289194 - Expired August 11, 2012  
GB 2289195 - Expired August 11, 2012  
GN 10108 - Expired November 1, 2014  
GR 0954182 - Expired March 1, 2014  
GR 2,276,258 - Expired March 1, 2014  
GR 2,276,259 - Expired March 1, 2014



GR 20040400044 - Expired March 1, 2014  
GR 3,032,133 - Expired March 1, 2014  
GR 3037281 - Expired March 24, 2014  
GW 10108 - Expired November 1, 2014  
HK 1,013,573 - Expired September 28, 2013  
HK 1,013,575 - Expired March 1, 2014  
HK 1,014,415 - Expired May 3, 2011  
HK 1,023,032 - Expired May 3, 2011  
HK 1,032,871 - Expired July 28, 2012  
HK 1,033,059 - Expired July 28, 2012  
HK 1013570 - Expired July 28, 2012  
HK 1025448 - Expired March 1, 2014  
HU 217744 - Expired March 1, 2014  
IE 0638218 - Expired March 1, 2014  
IE 0651574 - Expired March 24, 2014  
IE 0903944 - Expired March 1, 2014  
IE 0954182 - Expired March 1, 2014  
IE 2,276,258 - Expired March 1, 2014  
IE 2,276,259 - Expired March 1, 2014  
IL 108787 - Expired February 27, 2014  
IN 188,824 - Expired February 24, 2014  
IN 189758 - Expired February 24, 2014  
IT 0573665 - Expired December 28, 2012  
IT 0595562 - Expired October 22, 2013  
IT 0598904 - Expired July 28, 2012  
IT 0638218 - Expired March 1, 2014  
IT 0903944 - Expired March 1, 2014  
IT 0954182 - Expired March 1, 2014  
IT 2,276,258 - Expired March 1, 2014  
IT 2,276,259 - Expired March 1, 2014  
IT 2,375,753 - Expired March 24, 2014  
IT 48006/BE/2004 - Expired September 20, 2013  
IT 48140 BE 2002 - Expired July 28, 2012  
IT 48907 BE/2000 - Expired June 28, 2013  
IT 50048 BE/2000 - Expired September 28, 2013  
IT 50176 BE/2000 - Expired March 24, 2014  
IT 52345 BE 2002 - Expired July 28, 2012  
JP 2,712,645 - Expired October 14, 2009  
JP 2,874,745 - Expired May 9, 2010  
JP 2,877,225 - Expired May 9, 2010  
JP 2,969,782 - Expired May 9, 2010  
JP 2,977,104 - Expired July 26, 2011  
*JP 3,009,073 - Expired August 19, 2011*  
JP 3,159,310 - Expired October 14, 2009  
JP 3,257,052 - Expired July 28, 2012  
JP 3,257,643 - Expired January 18, 2013  
JP 3,331,351 - Expired December 28, 2012  
JP 3,348,310 - Expired July 1, 2013  
JP 3,348,356 - Expired July 1, 2013  
JP 3,356,413 - Expired December 14, 2012  
JP 3,358,835 - Expired December 14, 2012

JP 3,381,167 - Expired July 28, 2012  
JP 3,449,370 - Expired December 28, 2012  
JP 3,465,660 - Expired July 6, 2013  
JP 3,496,926 - Expired December 28, 2012  
JP 3,531,594 - Expired September 20, 2013  
JP 3,593,988 - Expired March 1, 2014  
JP 3,610,578 - Expired March 1, 2014  
JP 3,614,159 - Expired March 24, 2014  
JP 3,614,160 - Expired March 24, 2014  
JP 3,689,437 - Expired September 20, 2013  
JP 3,689,626 - Expired September 20, 2013  
KR 141,705 - Expired March 24, 2013  
KR 221,889 - Expired May 9, 2011  
KR 233,419 - Expired October 19, 2010  
KR 233,764 - Expired July 24, 2012  
KR 260,475 - Expired December 28, 2012  
KR 265,193 - Expired December 8, 2013  
KR 272,812 - Expired July 24, 2012  
KR 287490 - Expired March 1, 2014  
KR 289,586 - Expired September 28, 2013  
KR 297,654 - Expired September 18, 2013  
KR 308,099 - Expired March 24, 2014  
KR 335,707 - Expired October 29, 2013  
KR 345,968 - Expired June 28, 2013  
LI 0 638 218 - Expired March 1, 2014  
LI 0651574 - Expired March 24, 2014  
LI 0903944 - Expired March 1, 2014  
LI 0954182 - Expired March 1, 2014  
LI 2,276,258 - Expired March 1, 2014  
LI 2,276,259 - Expired March 1, 2014  
LU 0638218 - Expired March 1, 2014  
LU 0651574 - Expired March 24, 2014  
LU 0903944 - Expired March 1, 2014  
LU 0954182 - Expired March 1, 2014  
LU 2,276,258 - Expired March 1, 2014  
LU 2,276,259 - Expired March 1, 2014  
MC 0638218 - Expired March 1, 2014  
MC 0651574 - Expired March 24, 2014  
MC 0903944 - Expired March 1, 2014  
MC 0954182 - Expired March 1, 2014  
MC 2,276,258 - Expired March 1, 2014  
MC 2,276,259 - Expired March 1, 2014  
ML 10108 - Expired November 1, 2014  
MR 10108 - Expired November 1, 2014  
MX 197,778 - Expired February 27, 2014  
MX 257,371 - Expired February 28, 2014  
MY 109,945 - Expired October 31, 2012  
MY 110794 - Expired April 30, 2014  
NE 10108 - Expired November 1, 2014  
NL 0573665 - Expired December 28, 2012  
NL 0577365 - Expired June 28, 2013

NL 0595562 - Expired October 22, 2013  
NL 0614592 - Expired September 28, 2013  
NL 0638218 - Expired March 1, 2014  
NL 0651574 - Expired March 24, 2014  
NL 0903944 - Expired March 1, 2014  
NL 0910213 - Expired September 20, 2013  
NL 0954182 - Expired March 1, 2014  
NL 2,276,258 - Expired March 1, 2014  
NL 2,276,259 - Expired March 1, 2014  
NL 2,375,753 - Expired March 24, 2014  
NZ 261907-B - Expired March 1, 2014  
PL 173287 - Expired March 1, 2014  
PT 0638218 - Expired March 1, 2014  
PT 0651574 - Expired March 24, 2014  
PT 0903944 - Expired March 1, 2014  
PT 0954182 - Expired March 1, 2014  
PT 2,276,258 - Expired March 1, 2014  
PT 2,276,259 - Expired March 1, 2014  
PT 2,375,753 - Expired March 24, 2014  
RU 2,119,727 - Expired March 1, 2014  
SE 0638218 - Expired March 1, 2014  
SE 0651574 - Expired March 24, 2014  
SE 0903944 - Expired March 1, 2014  
SE 0954182 - Expired March 1, 2014  
SE 2,276,258 - Expired March 1, 2014  
SE 2,276,259 - Expired March 1, 2014  
SE 2,375,753 - Expired March 24, 2014  
SG 97743 - Expired August 11, 2012  
SN 10108 - Expired November 1, 2014  
TD 10108 - Expired November 1, 2014  
TG 10108 - Expired November 1, 2014  
TH 33620 - Expired February 27, 2014  
TR 28436-B - Expired March 1, 2014  
TW 66605-B - Expired August 18, 2013  
TW 70,497 - Expired May 24, 2013  
US 4,864,393 - Expired May 30, 2008  
US 5,191,436 - Expired April 29, 2011  
US 5,291,486 - Expired August 6, 2012  
US 5,298,991 - Expired July 23, 2012  
US 5,343,248 - Expired July 15, 2012  
US 5,428,396 - Expired July 23, 2012  
US 5,461,420 - Expired September 16, 2013  
US 5,481,553 - Expired February 27, 2014  
US 5,510,840 - Expired April 22, 2013  
US 5,539,466 - Expired July 22, 2013  
US 5,543,847 - Expired December 12, 2013  
US 5,559,557 - Expired September 27, 2013  
US 5,663,763 - Expired September 1, 2014  
US 5,666,461 - Expired September 8, 2014  
US 5,701,164 - Expired March 23, 2014  
US 5,946,042 - Expired March 23, 2014

US 5,982,437 - Expired November 8, 2016  
US 6,040,863 - Expired March 23, 2014  
US 6,160,849 - Expired December 11, 2017  
US 7,627,041 - Expired August 30, 2014  
US 8,155,209 - Expired January 12, 2014  
US 8,155,210 - Expired January 12, 2014  
US 8,160,155 - Expired January 12, 2014  
US 8,249,169 - Expired January 12, 2014  
US 8,254,465 - Expired January 12, 2014  
US 8,279,939 - Expired April 23, 2016  
US 8,279,941 - Expired January 12, 2014  
US 8,300,706 - Expired January 12, 2014  
US 8,320,468 - Expired January 12, 2014  
US 8,320,469 - Expired January 12, 2014  
US Re 37,222 - Expired October 11, 2010

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

CA 2,096,431-C - Expired December 3, 2011  
DE 69129595 - Expired December 3, 2011  
DE 69130329 - Expired December 3, 2011  
FR 0564597 - Expired December 3, 2011  
FR 0630157 - Expired December 3, 2011  
GB 0564597 - Expired December 3, 2011  
GB 0630157 - Expired December 3, 2011  
JP 2,746,749 - Expired December 3, 2011  
US Re 35,093 - Expired December 2, 2010

### Thomson Licensing

AT 140356 E - Expired April 14, 2012  
AT 46238 E - Expired October 1, 2005  
BE 0197126 - Expired October 1, 2005  
BE 0608231 - Expired April 14, 2012  
*BR PI 9401963-0 - Expired May 12, 2014*  
*BR PI 9501751-8 - Expired April 19, 2015*  
CA 1,285,064 - Expired June 18, 2008  
CA 2,108,778 - Expired April 14, 2012  
*CA 2,136,616 - Expired May 20, 2013*  
*CA 2,145,904 - Expired March 30, 2015*  
CA 2,328,581 - Expired April 14, 2012  
*CA 2,387,154 - Expired March 15, 2015*  
*CA 2,387,254 - Expired May 20, 2013*  
*CA 2306971 - Expired May 20, 2013*  
CH 0197126 - Expired October 1, 2005  
CH 0608231 - Expired April 14, 2012  
*CN 1,106,745 - Expired April 21, 2015*  
*CN 1,222,168 - Expired April 21, 2015*  
*CN 100377594 - Expired March 15, 2015*  
*CN 100488255 - Expired May 12, 2014*  
*CN 100493168 - Expired April 21, 2015*

*CN 100515091 - Expired May 12, 2014*  
*CN 1051429C - Expired June 18, 2013*  
*CN 1055594 - Expired June 18, 2013*  
*CN 1087559C - Expired May 12, 2014*  
*CN 1099808C - Expired November 29, 2014*  
*CN 1196331 - Expired November 29, 2014*  
*CN 1236620C - Expired May 12, 2014*  
*CN 1253007C - Expired May 12, 2014*  
*DE 3572907 - Expired July 4, 2001*  
*DE 3851068 - Expired January 26, 2008*  
*DE 59206755 - Expired April 14, 2012*  
*DE 69332916 - Expired May 20, 2013*  
*DE 69333982 - Expired May 20, 2013*  
*DE 69426711 - Expired May 4, 2014*  
*DE 69516752 - Expired April 12, 2015*  
*DK 166597 - Expired October 1, 2005*  
*ES 0844792 - Expired May 20, 2013*  
*ES 1,263,234 - Expired May 20, 2013*  
*ES 2090628 T3 - Expired April 14, 2012*  
*ES 2145173 T3 - Expired April 12, 2015*  
*ES 2154275 - Expired May 4, 2014*  
*FI 112147 - Expired May 20, 2013*  
*FI 117266 - Expired May 20, 2013*  
*FI 117844 - Expired May 20, 2013*  
*FI 82166 - Expired October 1, 2005*  
*FR 0197126 - Expired October 1, 2005*  
*FR 0276985 - Expired January 26, 2008*  
*FR 0608231 - Expired April 14, 2012*  
*FR 0624982 - Expired May 4, 2014*  
*FR 0679030 - Expired April 12, 2015*  
*FR 0844792 - Expired May 20, 2013*  
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*GB 0276985 - Expired January 26, 2008*  
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*HK 1059522 - Expired March 15, 2015*  
*HK 1063403 - Expired May 12, 2014*  
*HK 1063404 - Expired May 12, 2014*  
*HK 2088/96 - Expired April 14, 2012*  
*HK 42/91 - Expired October 1, 2005*  
*HK 821/96 - Expired January 26, 2008*  
*IT 0276985 - Expired January 26, 2008*  
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*IT 0844792 - Expired May 20, 2013*  
*IT 1,263,234 - Expired May 20, 2013*  
*IT 23955 BE 89 - Expired October 1, 2005*  
*IT 25254 BE 96 - Expired April 14, 2012*

*IT 49759 BE 2000 - Expired April 12, 2015*  
*JP 3,040,410 - Expired December 30, 2008*  
*JP 3,093,266 - Expired April 14, 2012*  
*JP 3,258,984 - Expired December 30, 2008*  
*JP 3,267,620 - Expired May 20, 2013*  
*JP 3,469,232 - Expired December 30, 2008*  
*JP 3,507,766 - Expired May 20, 2013*  
*JP 3,561,326 - Expired April 24, 2015*  
*JP 3,572,067 - Expired May 20, 2013*  
*JP 3,645,286 - Expired May 6, 2014*  
*JP 3,761,525 - Expired December 1, 2008*  
*JP 4,122,370 - Expired March 15, 2015*  
*JP 4,201,743 - Expired May 6, 2014*  
*JP 4,208,089 - Expired May 6, 2014*  
*JP 4,316,008 - Expired March 15, 2015*  
*JP 4,357,594 - Expired November 30, 2013*  
*JP 4,358,691 - Expired May 6, 2014*  
*JP 4,379,824 - Expired May 6, 2014*  
*JP 4,379,826 - Expired May 6, 2014*  
*JP 4,404,271 - Expired March 15, 2015*  
*JP 4,420,298 - Expired March 15, 2015*  
*JP 4,458,438 - Expired March 15, 2015*  
*JP 4,475,475 - Expired March 15, 2015*  
*JP 4,475,476 - Expired March 15, 2015*  
*JP 4,492,972 - Expired May 6, 2014*  
*JP 4,535,344 - Expired March 15, 2015*  
*JP 4,553,273 - Expired May 6, 2014*  
*JP 4,582,670 - Expired March 15, 2015*  
*JP 4,648,489 - Expired November 30, 2013*  
*JP 4,688,235 - Expired May 6, 2014*  
*JP 4,688,236 - Expired May 6, 2014*  
*JP 4,748,623 - Expired March 15, 2015*  
*JP 4,753,324 - Expired May 6, 2014*  
*JP 4,753,325 - Expired May 6, 2014*  
*JP 4,754,648 - Expired November 30, 2013*  
*JP 4,808,812 - Expired November 30, 2013*  
*JP 4,845,156 - Expired May 6, 2014*  
*JP 4,863,326 - Expired November 30, 2013*  
*JP 4,863,328 - Expired March 15, 2015*  
*JP 4,953,262 - Expired March 15, 2015*  
*JP 4,979,039 - Expired May 6, 2014*  
*JP 5,051,554 - Expired May 6, 2014*  
*JP 5,110,721 - Expired November 30, 2013*  
*JP 5,119,522 - Expired November 30, 2013*  
*JP 5,131,867 - Expired March 15, 2015*  
*JP 5,131,874 - Expired March 15, 2015*  
*JP 5,182,966 - Expired March 15, 2015*  
*JP 5,182,967 - Expired March 15, 2015*  
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*JP 5,264,003 - Expired November 30, 2013*  
*JP 5,331,140 - Expired March 15, 2015*

*JP 5,366,334 - Expired May 6, 2014*  
*JP 5,366,342 - Expired May 6, 2014*  
*JP 5,441,134 - Expired March 15, 2015*  
*JP 5,441,138 - Expired March 15, 2015*  
*JP 5,441,139 - Expired March 15, 2015*  
*JP 5,441,140 - Expired March 15, 2015*  
*JP 5,574,462 - Expired March 15, 2015*  
*JP 5,574,463 - Expired March 15, 2015*  
*KR 135,635 - Expired January 16, 2013*  
*KR 284396 - Expired May 20, 2013*  
*KR 289559 - Expired May 20, 2013*  
*KR 327684 - Expired November 30, 2013*  
*KR 330267 - Expired April 19, 2015*  
*KR 333229 - Expired April 14, 2012*  
*KR 338222 - Expired May 11, 2014*  
*KR 357506 - Expired April 19, 2015*  
*KR 400800 - Expired March 15, 2015*  
*LI 0197126 - Expired October 1, 2005*  
*LI 0608231 - Expired April 14, 2012*  
*LU 0197126 - Expired October 1, 2005*  
*LU 0608231 - Expired April 14, 2012*  
*MX 181083 - Expired June 17, 2013*  
*MX 186399 - Expired April 21, 2015*  
*MX 188237 - Expired May 11, 2014*  
*MX 198312 - Expired May 11, 2014*  
*MY 111265-A - Expired October 29, 2014*  
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<sup>1</sup>This patent is a counterpart of US Patent No. 5,565,923 owned by, and 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

JVC KENWOOD 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 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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