## **Dolby International AB**

JP5562408

## INFOCITY, Inc.

JP4302537

JP5247097

## INFOCITY, Inc. / Nippon Hoso Kyokai

JP6789553

## InterDigital CE Patent Holdings, SAS

JP5877065

JP6176871

## JVCKENWOOD Corporation

JP4620788

JP5070979

### **KDDI CORPORATION**

JP5254162

## **KYOCERA Corporation**

JP4753565

#### LG Electronics Inc.

JP6291081

JP6392792

#### Maxell, Ltd.

JP4406669

JP4406672

JP4431598

JP4431599

JP4565049

JP4613212

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JP4654309

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JP7166485

## **NEC Corporation**

JP4066999

JP4666231

JP4973790

JP5300074

JP5682181

JP6132006

#### **NHK Foundation**

JP5113954

JP5113955

## Nippon Hoso Kyokai

JP5156037

JP5156038

JP5156039

JP5156143

JP5156144

JP5175883

## Nippon Hoso Kyokai

JP5269238

JP5269239

JP5269240

JP5269241

JP5271445

JP5544395

JP5548726

JP5584729

JP5584730

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JP6214811

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JP6275308

JP6323805

JP6388295

JP6803357

JP6858303

## Orange SA

JP4673302

JP5396600

## Panasonic Holdings Corporation

JP4152354

JP4248598

JP4735264

## **Sharp Corporation**

JP3720347

JP4786739

## Sony Group Corporation

JP4518058

JP4581955

JP4883199

JP4895113

JP5029037

JP5071746

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JP5187352

JP5339168

JP5516826

JP5577823

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JP5708875

## Sony Group Corporation

JP5725391

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JP5754491

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JP5949825

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JP6614279

## **Toshiba Corporation**

JP4346471

JP4350714

JP4772899

## **Toshiba Corporation**

JP5032419

JP5143050

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JP5379881

JP5479631

JP5735069

JP5902279

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JP6009946

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JP6091777 JP6239674

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JP6271203

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JP6400783

JP6501859

## Toshiba Corporation / TVS REGZA Corporation

JP4444361

JP4542914

JP5060251

JP5087022

JP5132808

JP5225324

## TVS REGZA Corporation

JP4595006

JP5404864

JP6510089

JP6560658

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JP6968960

JP6968961

JP6972254

JP7230096

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JP7230133

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JP7230135

## Fujitsu Limited

JP3918329 \* Expired November 24, 2018
JP4603570 \* Expired March 31, 2023
JP4791521 \* Expired March 31, 2023
JP4791583 \* Expired March 31, 2023

## INFOCITY, Inc.

JP3759720 \* Expired May 13, 2017

## InterDigital CE Patent Holdings, SAS

| JP2806587 | * Expired October 20, 2009  |
|-----------|-----------------------------|
| JP3169903 | * Expired January 31, 2017  |
| JP3380252 | * Expired November 22, 2013 |
| JP3650064 | * Expired January 4, 2015   |
| JP3699129 | * Expired May 22, 2017      |
| JP3880616 | * Expired December 1, 2014  |
| JP3881236 | * Expired January 4, 2015   |
| JP3907706 | * Expired December 15, 2017 |
| JP3960483 | * Expired March 6, 2018     |
| JP3962064 | * Expired January 4, 2015   |
| JP4070831 | * Expired November 20, 2015 |
| JP4173535 | * Expired March 15, 2015    |
| JP4174549 | * Expired November 20, 2015 |
| JP4219963 | * Expired November 20, 2015 |
| JP4251668 | * Expired August 21, 2015   |
| JP4302313 | * Expired June 30, 2018     |
| JP4331765 | * Expired March 6, 2018     |
| JP4335936 | * Expired June 28, 2016     |
| JP4347275 | * Expired August 20, 2013   |
| JP4347276 | * Expired August 20, 2013   |
| JP4360557 | * Expired June 28, 2016     |
| JP4360560 | * Expired December 17, 2017 |

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| JP4382150 | * Expired December 1, 2014   |
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| JP4385302 | * Expired December 1, 2014   |
| JP4418754 | * Expired October 2, 2023    |
| JP4424621 | * Expired November 30, 2015  |
| JP4446399 | * Expired June 28, 2016      |
| JP4492973 | * Expired March 6, 2018      |
| JP4527135 | * Expired August 21, 2015    |
| JP4531259 | * Expired September 24, 2019 |
| JP4548676 | * Expired November 30, 2015  |
| JP4565521 | * Expired December 17, 2017  |
| JP4583513 | * Expired August 1, 2017     |
| JP4605615 | * Expired November 30, 2015  |
| JP4614245 | * Expired December 17, 2017  |
| JP4623524 | * Expired August 21, 2015    |
| JP4671248 | * Expired August 20, 2013    |
| JP4721478 | * Expired June 30, 2018      |
| JP4729176 | * Expired October 8, 2019    |
| JP4805639 | * Expired June 30, 2018      |
| JP5005868 | * Expired January 3, 2021    |
| JP5147081 | * Expired October 8, 2019    |
| JP5263847 | * Expired August 1, 2017     |
| JP5645277 | * Expired August 1, 2017     |
| JP5781049 | * Expired October 8, 2019    |

# JVCKENWOOD Corporation

| JP2521160 | * Expired November 7, 2009  |
|-----------|-----------------------------|
| JP2853727 | * Expired February 22, 2014 |
| JP2874729 | * Expired January 30, 2015  |
| JP3055540 | * Expired January 30, 2015  |
| JP3102416 | * Expired February 22, 2014 |
| JP3156892 | * Expired July 30, 2013     |

# JVCKENWOOD Corporation

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|-----------|-----------------------------|
| JP3156893 | * Expired August 19, 2013   |
| JP3405345 | * Expired January 24, 2020  |
| JP3405347 | * Expired January 24, 2020  |
| JP3405348 | * Expired January 24, 2020  |
| JP3422458 | * Expired July 11, 2017     |
| JP3431609 | * Expired July 11, 2017     |
| JP3453696 | * Expired November 7, 2016  |
| JP3518753 | * Expired January 30, 2015  |
| JP3518754 | * Expired January 30, 2015  |
| JP3518757 | * Expired January 30, 2015  |
| JP3518761 | * Expired January 30, 2015  |
| JP3518764 | * Expired January 30, 2015  |
| JP3531823 | * Expired January 30, 2015  |
| JP3531824 | * Expired January 30, 2015  |
| JP3531830 | * Expired January 30, 2015  |
| JP3531831 | * Expired January 30, 2015  |
| JP3582428 | * Expired November 16, 2019 |
| JP3627734 | * Expired October 29, 2013  |
| JP3676740 | * Expired January 30, 2015  |
| JP3804865 | * Expired January 30, 2015  |
| JP3818525 | * Expired January 30, 2015  |
| JP3818526 | * Expired January 30, 2015  |
| JP3818527 | * Expired January 30, 2015  |
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| JP3818534 | * Expired January 30, 2015  |
| JP3818535 | * Expired January 30, 2015  |
| JP3818536 | * Expired January 30, 2015  |
| JP3830074 | * Expired June 15, 2020     |

### JVCKENWOOD Corporation

## JVCKENWOOD Corporation / Nippon Hoso Kyokai

JP3392028 \* Expired November 28, 2017
JP3392122 \* Expired November 28, 2017

#### JVCKENWOOD Corporation / Panasonic Holdings Corporation

#### LG Electronics Inc.

#### Maxell, Ltd.

JP2760799 \* Expired April 28, 2008 \* Expired April 28, 2008 JP2798086 JP2798087 \* Expired April 28, 2008 JP2870531 \* Expired April 28, 2008 JP2870532 \* Expired April 28, 2008 JP2960803 \* Expired August 28, 2011 \* Expired April 28, 2008 JP2980085 \* Expired May 20, 2014 JP2989742 \* Expired April 28, 2008 JP2993487 JP3008884 \* Expired July 20, 2010 \* Expired July 20, 2010 JP3008885

| JP3011239 | * Expired July 20, 2010     |
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| JP3025658 | * Expired July 20, 2010     |
| JP3031284 | * Expired July 20, 2010     |
| JP3031285 | * Expired July 20, 2010     |
| JP3075063 | * Expired February 17, 2014 |
| JP3119116 | * Expired June 7, 2015      |
| JP3139910 | * Expired March 31, 2014    |
| JP3149627 | * Expired June 7, 2013      |
| JP3178467 | * Expired July 20, 2010     |
| JP3217137 | * Expired July 28, 2012     |
| JP3275881 | * Expired April 28, 2008    |
| JP3275916 | * Expired July 20, 2010     |
| JP3275917 | * Expired July 20, 2010     |
| JP3277894 | * Expired April 28, 2008    |
| JP3443572 | * Expired July 28, 2012     |
| JP3491431 | * Expired February 20, 2016 |
| JP3496635 | * Expired March 22, 2014    |
| JP3498403 | * Expired February 10, 2015 |
| JP3502241 | * Expired August 28, 2011   |
| JP3502260 | * Expired August 28, 2011   |
| JP3520595 | * Expired March 29, 2015    |
| JP3527908 | * Expired July 28, 2012     |
| JP3564961 | * Expired August 21, 2017   |
| JP3591274 | * Expired February 17, 2018 |
| JP3601181 | * Expired April 19, 2016    |
| JP3652176 | * Expired August 13, 2019   |
| JP3661001 | * Expired July 20, 2010     |
| JP3675442 | * Expired February 17, 2014 |
| JP3685093 | * Expired April 27, 2015    |
| JP3714276 | * Expired April 27, 2015    |
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| * Expired October 29, 2017  |
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| * Expired December 1, 2019  |
| * Expired July 20, 2010     |
| * Expired July 30, 2019     |
| * Expired March 9, 2020     |
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| * Expired July 20, 2010     |
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| * Expired January 10, 2021  |
| * Expired January 31, 2022  |
| * Expired August 21, 2017   |
| * Expired April 20, 2021    |
| * Expired August 21, 2017   |
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| * Expired January 11, 2022  |
| * Expired April 20, 2021    |
| * Expired November 10, 2017 |
| * Expired January 31, 2022  |
| * Expired April 19, 2016    |
| * Expired January 22, 2021  |
| * Expired January 31, 2022  |
| * Expired April 20, 2021    |
| * Expired March 2, 2021     |
| * Expired October 15, 2012  |
| * Expired July 31, 2017     |
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| JP4340693 | * Expired March 2, 2021     |
| JP4340694 | * Expired March 2, 2021     |
| JP4340702 | * Expired February 16, 2021 |
| JP4340708 | * Expired February 16, 2021 |
| JP4340709 | * Expired February 16, 2021 |
| JP4345694 | * Expired April 27, 2015    |
| JP4353306 | * Expired February 17, 2014 |
| JP4353307 | * Expired February 17, 2014 |
| JP4360382 | * Expired January 19, 2019  |
| JP4379428 | * Expired December 17, 2016 |
| JP4379528 | * Expired March 28, 2022    |
| JP4424118 | * Expired December 1, 2019  |
| JP4431617 | * Expired October 29, 2017  |
| JP4431619 | * Expired October 29, 2017  |
| JP4431633 | * Expired December 17, 2016 |
| JP4431635 | * Expired December 17, 2016 |
| JP4443060 | * Expired February 9, 2021  |
| JP4474434 | * Expired January 19, 2019  |
| JP4474442 | * Expired January 19, 2019  |
| JP4474486 | * Expired December 3, 2023  |
| JP4484840 | * Expired June 9, 2020      |
| JP4484945 | * Expired February 17, 2018 |
| JP4500847 | * Expired December 15, 2020 |
| JP4512664 | * Expired June 9, 2020      |
| JP4538414 | * Expired October 19, 2021  |
| JP4538488 | * Expired July 31, 2017     |
| JP4538489 | * Expired July 31, 2017     |
| JP4547097 | * Expired January 22, 2021  |
| JP4558100 | * Expired February 17, 2018 |
| JP4576066 | * Expired April 10, 2021    |

| JP4576471 | * Expired January 10, 2023  |
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| JP4576481 | * Expired January 10, 2023  |
| JP4597229 | * Expired June 25, 2018     |
| JP4597231 | * Expired October 19, 2021  |
| JP4597252 | * Expired February 9, 2021  |
| JP4597266 | * Expired October 19, 2021  |
| JP4613256 | * Expired January 22, 2021  |
| JP4627790 | * Expired January 22, 2021  |
| JP4637226 | * Expired January 10, 2021  |
| JP4637254 | * Expired March 28, 2022    |
| JP4654302 | * Expired February 28, 2021 |
| JP4654307 | * Expired June 25, 2018     |
| JP4654319 | * Expired February 9, 2021  |
| JP4663601 | * Expired July 28, 2018     |
| JP4686584 | * Expired December 15, 2017 |
| JP4686632 | * Expired December 15, 2017 |
| JP4686641 | * Expired December 15, 2017 |
| JP4709298 | * Expired April 10, 2021    |
| JP4719818 | * Expired February 9, 2021  |
| JP4729634 | * Expired December 3, 2023  |
| JP4729635 | * Expired December 3, 2023  |
| JP4734464 | * Expired February 28, 2021 |
| JP4734482 | * Expired February 28, 2021 |
| JP4740384 | * Expired January 10, 2021  |
| JP4742176 | * Expired June 25, 2018     |
| JP4747223 | * Expired December 15, 2020 |
| JP4751953 | * Expired December 15, 2020 |
| JP4751959 | * Expired April 10, 2021    |
| JP4783850 | * Expired June 21, 2021     |
| JP4790825 | * Expired July 28, 2018     |

JP4790850 \* Expired January 10, 2023 JP4792543 \* Expired July 28, 2018 JP4876189 \* Expired June 21, 2021 JP4959851 \* Expired June 21, 2021 JP5002771 \* Expired April 22, 2013 JP5002772 \* Expired April 22, 2013 \* Expired April 22, 2013 JP5002773 \* Expired June 4, 2021 JP5063629 JP5156803 \* Expired June 4, 2021 \* Expired October 11, 2022 JP5292371 \* Expired October 11, 2022 JP5452685 JP5478690 \* Expired June 4, 2021

#### Maxell, Ltd. / Nippon Hoso Kyokai

#### Maxell, Ltd. / Pioneer Corporation

JP2911861 \* Expired November 26, 2017

#### Mitsubishi Electric Corporation

JP2935788 \* Expired June 4, 2013 \* Expired February 1, 2016 JP3172425 JP3215952 \* Expired April 7, 2012 \* Expired July 24, 2016 JP3216531 JP3216534 \* Expired August 29, 2016 JP3301055 \* Expired March 29, 2016 \* Expired April 7, 2012 JP3316572 \* Expired April 7, 2012 JP3316573 \* Expired August 4, 2018 JP3468115

# Mitsubishi Electric Corporation

| JP3505378 | * Expired January 29, 2018   |
|-----------|------------------------------|
| JP3740712 | * Expired June 13, 2015      |
| JP3800886 | * Expired October 12, 2019   |
| JP3817816 | * Expired March 12, 2017     |
| JP3909947 | * Expired February 16, 2018  |
| JP4040053 | * Expired March 12, 2017     |
| JP4040078 | * Expired March 12, 2017     |
| JP4089714 | * Expired June 13, 2015      |
| JP4096995 | * Expired June 13, 2015      |
| JP4250817 | * Expired August 4, 2019     |
| JP4250832 | * Expired October 14, 2019   |
| JP4270833 | * Expired September 27, 2022 |
| JP4303085 | * Expired October 23, 2023   |
| JP4336063 | * Expired June 12, 2021      |
| JP4553996 | * Expired May 14, 2018       |
| JP4697369 | * Expired July 12, 2021      |
| JP4844588 | * Expired February 1, 2020   |
| JP4888458 | * Expired October 14, 2019   |
| JP4888459 | * Expired October 14, 2019   |
| JP4947192 | * Expired May 14, 2018       |
| JP4947198 | * Expired May 14, 2018       |
| JP5071569 | * Expired February 1, 2020   |
| JP5267707 | * Expired February 1, 2020   |

## **NEC Corporation**

| JP3090137 | * Expired January 29, 2019  |
|-----------|-----------------------------|
| JP3270373 | * Expired October 24, 2017  |
| JP3332072 | * Expired April 9, 2018     |
| JP3501213 | * Expired July 13, 2019     |
| JP3531604 | * Expired November 24, 2020 |
| JP3832321 | * Expired November 20, 2021 |

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 JP4045805
 \* Expired January 11, 2022

 JP4051968
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 JP4200893
 \* Expired December 19, 2023

 JP5056965
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## Nippon Hoso Kyokai

\* Expired February 6, 2012 JP2883238 JP2904986 \* Expired January 31, 2012 JP2912323 \* Expired January 29, 2018 \* Expired December 16, 2017 JP3096020 JP3103617 \* Expired June 13, 2011 JP3133958 \* Expired May 19, 2017 \* Expired May 28, 2017 JP3133960 \* Expired May 28, 2016 JP3253524 JP3352940 \* Expired April 16, 2018 JP3457482 \* Expired September 12, 2016 JP3504470 \* Expired September 18, 2017 JP3691211 \* Expired May 30, 2017 \* Expired May 16, 2017 JP3795183 JP3884869 \* Expired September 25, 2018 JP4249249 \* Expired November 13, 2020 JP4249253 \* Expired November 13, 2020 \* Expired November 13, 2020 JP4266387 JP4806444 \* Expired May 24, 2021

#### Orange SA

## Orange SA / TDF SAS

JP3044899 \* Expired January 17, 2012

# Orange SA / TDF SAS

JP3827718 \* Expired June 13, 2015

## Panasonic Holdings Corporation

| * Expired March 27, 2012     |
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| * Expired March 27, 2012     |
| * Expired March 27, 2012     |
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| * Expired January 9, 2015    |
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| * Expired May 30, 2017       |
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| * Expired February 21, 2017  |
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|--------------------------|------------------------------|
| JP3408469                | * Expired September 14, 2019 |
| JP3410077                | * Expired September 24, 2013 |
| JP3410078                | * Expired September 24, 2013 |
| JP3410085                | * Expired March 25, 2014     |
| JP3431465                | * Expired September 11, 2017 |
| JP3431470                | * Expired September 1, 2017  |
| JP3439738                | * Expired September 24, 2013 |
| JP3439739                | * Expired September 24, 2013 |
| JP3447207                | * Expired December 5, 2017   |
| JP3450320                | * Expired March 27, 2012     |
| JP3450321                | * Expired March 25, 2014     |
| JP3450322                | * Expired September 24, 2013 |
| JP3464656                | * Expired August 10, 2021    |
| JP3472774                | * Expired March 26, 2013     |
| JP3482750                | * Expired September 28, 2015 |
| JP3489574                | * Expired February 26, 2018  |
| JP3491549                | * Expired January 28, 2019   |
| JP3511013                | * Expired January 22, 2021   |
| JP3523643                | * Expired March 27, 2018     |
| JP3526458                | * Expired October 19, 2019   |
| JP3529395                | * Expired October 23, 2012   |
| JP3534710                | * Expired March 13, 2016     |
| JP3563346                | * Expired April 16, 2018     |
| JP3588460                | * Expired March 27, 2012     |
| JP3588461                | * Expired March 27, 2012     |
| JP3588462                | * Expired September 24, 2013 |
| JP3588463                | * Expired March 25, 2014     |
| JP3610914                | * Expired February 27, 2021  |
| JP3611995                | * Expired January 14, 2020   |
| JP3615685                | * Expired April 6, 2020      |
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| •         |                              |
|-----------|------------------------------|
| JP3642210 | * Expired February 4, 2019   |
| JP3643834 | * Expired March 26, 2013     |
| JP3643835 | * Expired March 26, 2013     |
| JP3643836 | * Expired March 26, 2013     |
| JP3646110 | * Expired May 30, 2017       |
| JP3646113 | * Expired September 1, 2017  |
| JP3677018 | * Expired May 30, 2017       |
| JP3754999 | * Expired December 9, 2017   |
| JP3779311 | * Expired February 26, 2018  |
| JP3829141 | * Expired March 27, 2012     |
| JP3869839 | * Expired March 27, 2012     |
| JP3881679 | * Expired March 25, 2014     |
| JP3881680 | * Expired September 24, 2013 |
| JP3918830 | * Expired February 4, 2019   |
| JP3958249 | * Expired December 5, 2017   |
| JP3958250 | * Expired December 5, 2017   |
| JP3965205 | * Expired February 28, 2023  |
| JP3965207 | * Expired February 28, 2023  |
| JP3965208 | * Expired February 28, 2023  |
| JP3987526 | * Expired March 26, 2013     |
| JP4006357 | * Expired December 5, 2017   |
| JP4028641 | * Expired September 24, 2018 |
| JP4042745 | * Expired July 16, 2023      |
| JP4044077 | * Expired March 23, 2019     |
| JP4065014 | * Expired December 6, 2015   |
| JP4135252 | * Expired March 23, 2019     |
| JP4189017 | * Expired December 5, 2017   |
| JP4243256 | * Expired May 30, 2017       |
| JP4317844 | * Expired December 11, 2018  |
| JP4317845 | * Expired December 11, 2018  |
|           |                              |

### Panasonic Holdings Corporation

JP4369990 \* Expired July 27, 2020 JP4409743 \* Expired October 20, 2020 JP4410307 \* Expired July 27, 2020 \* Expired July 16, 2023 JP4561822 JP4649533 \* Expired March 9, 2021 JP4666110 \* Expired July 16, 2023 \* Expired July 27, 2020 JP4744625 \* Expired February 28, 2017 JP4766199

#### Panasonic Holdings Corporation / Nippon Hoso Kyokai

#### **Pioneer Corporation**

#### Sanyo Electric Co., Ltd.

JP3108392 \* Expired October 1, 2017

JP3475031 \* Expired January 9, 2017

JP3481107 \* Expired December 4, 2017

## **Sharp Corporation**

JP2945569 \* Expired October 27, 2013
JP2981448 \* Expired October 27, 2013
JP3205713 \* Expired January 10, 2017

# **Sharp Corporation**

| JP3256434 | * Expired March 29, 2016     |
|-----------|------------------------------|
| JP3439653 | * Expired April 8, 2018      |
| JP3483703 | * Expired May 29, 2016       |
| JP3499128 | * Expired March 24, 2018     |
| JP3504487 | * Expired February 13, 2018  |
| JP3518739 | * Expired January 30, 2015   |
| JP3522542 | * Expired July 29, 2018      |
| JP3523470 | * Expired November 17, 2017  |
| JP3524706 | * Expired December 16, 2016  |
| JP3544165 | * Expired March 22, 2020     |
| JP3590511 | * Expired November 21, 2017  |
| JP3659776 | * Expired September 24, 2017 |
| JP3698654 | * Expired April 26, 2021     |
| JP3708028 | * Expired May 30, 2021       |
| JP3714886 | * Expired April 24, 2021     |
| JP3717422 | * Expired May 28, 2021       |
| JP3720722 | * Expired March 7, 2021      |
| JP3775937 | * Expired March 18, 2019     |
| JP3824833 | * Expired February 21, 2020  |
| JP3841617 | * Expired April 13, 2020     |
| JP3842959 | * Expired June 21, 2020      |
| JP3916499 | * Expired April 24, 2022     |
| JP4129408 | * Expired April 16, 2023     |
| JP4137613 | * Expired December 3, 2022   |
| JP4165987 | * Expired August 10, 2020    |
| JP4190357 | * Expired June 12, 2023      |

# Sony Group Corporation

| JP3077467 | * Expired October 8, 2013   |
|-----------|-----------------------------|
| JP3082820 | * Expired November 25, 2013 |
| JP3107090 | * Expired August 11, 2018   |

# Sony Group Corporation

| andap derperation |                              |
|-------------------|------------------------------|
| JP3107092         | * Expired August 11, 2018    |
| JP3114339         | * Expired March 13, 2012     |
| JP3125787         | * Expired December 28, 2015  |
| JP3127920         | * Expired December 25, 2015  |
| JP3209421         | * Expired November 25, 2013  |
| JP3209422         | * Expired November 25, 2013  |
| JP3250333         | * Expired August 27, 2013    |
| JP3252706         | * Expired May 16, 2016       |
| JP3371367         | * Expired November 25, 2013  |
| JP3371368         | * Expired November 25, 2013  |
| JP3381164         | * Expired August 27, 2013    |
| JP3381165         | * Expired August 27, 2013    |
| JP3407712         | * Expired May 16, 2016       |
| JP3417406         | * Expired January 27, 2012   |
| JP3430792         | * Expired October 27, 2015   |
| JP3452236         | * Expired March 19, 2017     |
| JP3491401         | * Expired August 2, 2015     |
| JP3564698         | * Expired March 10, 2015     |
| JP3570402         | * Expired August 27, 2013    |
| JP3610973         | * Expired May 22, 2015       |
| JP3613865         | * Expired December 7, 2015   |
| JP3617115         | * Expired March 31, 2015     |
| JP3630441         | * Expired October 29, 2013   |
| JP3644455         | * Expired September 29, 2014 |
| JP3654185         | * Expired March 10, 2020     |
| JP3658919         | * Expired April 15, 2017     |
| JP3666093         | * Expired December 25, 2015  |
| JP3685182         | * Expired November 13, 2015  |
| JP3689895         | * Expired July 28, 2015      |
| JP3712009         | * Expired March 28, 2015     |

## Sony Group Corporation

| JP3712063 | * Expired March 28, 2015     |
|-----------|------------------------------|
| JP3799951 | * Expired April 13, 2020     |
| JP3835655 | * Expired June 9, 2018       |
| JP3844527 | * Expired May 31, 2015       |
| JP3864514 | * Expired September 22, 2017 |
| JP3901179 | * Expired October 8, 2012    |
| JP3906592 | * Expired January 5, 2019    |
| JP3988755 | * Expired May 22, 2015       |
| JP4006714 | * Expired July 25, 2017      |
| JP4046873 | * Expired November 16, 2018  |
| JP4049180 | * Expired February 10, 2017  |
| JP4051688 | * Expired January 21, 2020   |
| JP4051689 | * Expired January 21, 2020   |
| JP4067012 | * Expired August 11, 2018    |
| JP4067013 | * Expired August 11, 2018    |
| JP4072692 | * Expired September 29, 2014 |
| JP4081780 | * Expired April 30, 2018     |
| JP4089743 | * Expired March 7, 2017      |
| JP4099599 | * Expired February 10, 2017  |
| JP4122525 | * Expired August 11, 2018    |
| JP4190594 | * Expired December 28, 2015  |
| JP4296895 | * Expired December 28, 2015  |
| JP4314745 | * Expired April 17, 2020     |
| JP4508249 | * Expired March 7, 2017      |
| JP4543555 | * Expired April 11, 2020     |
| JP5110661 | * Expired April 4, 2016      |
|           |                              |

## Sony Group Corporation / Nippon Hoso Kyokai

JP3940541 \* Expired February 25, 2020

#### Sony Group Corporation / Toshiba Corporation / Nippon Hoso Kyokai

JP2975932 \* Expired July 9, 2018

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

JP4194240 \* Expired January 29, 2019
JP4393591 \* Expired February 13, 2018

### **Toshiba Corporation**

 JP2941398
 \* Expired September 29, 2010

 JP3139909
 \* Expired March 15, 2014

 JP3139936
 \* Expired March 24, 2015

 JP3435277
 \* Expired January 30, 2016

 JP3490666
 \* Expired March 15, 2014

 JP3805910
 \* Expired October 5, 2018

 JP3971346
 \* Expired June 16, 2023

## Toshiba Corporation / TVS REGZA Corporation

JP3239084 \* Expired May 30, 2017 JP3350428 \* Expired December 26, 2017 \* Expired December 26, 2017 JP3350515 JP3474510 \* Expired February 29, 2020 JP3545752 \* Expired December 26, 2017 JP3583769 \* Expired December 26, 2017 \* Expired April 12, 2020 JP3602768 JP3663149 \* Expired May 21, 2021 JP3824574 \* Expired February 29, 2020 \* Expired February 29, 2020 JP3824575 \* Expired April 12, 2020 JP3917611 JP4127778 \* Expired August 26, 2022 \* Expired August 26, 2022 JP4607941 \* Expired August 26, 2022 JP4703631 \* Expired August 26, 2022 JP4703632

JP4138575

\* Expired May 22, 2023

## Sony Group Corporation

JP4062317 \* Removed as of August 1, 2014

JP4337228 \* Removed as of August 1, 2014

JP4352701 \* Removed as of August 1, 2014