Dolby International AB

JP5562408

INFOCITY, Inc.

JP4302537

JP5247097

INFOCITY, Inc. / Nippon Hoso Kyokai

JP6789553

JVCKENWOOD Corporation

JP4620788

JP5070979

KDDI CORPORATION

JP5254162

KYOCERA Corporation

JP4753565

LG Electronics Inc.

JP6291081

JP6392792

Maxell, Ltd.

JP4406669

JP4406672

JP4431598

JP4431599

JP4565049

JP4613212

JP4625757

JP4625764

JP4625870

JP4629790

JP4629791

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JP5522644

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JP5695150

JP5805835

JP5896436

JP5947411

JP6734742

JP6734743

JP6734755

JP6734758

JP6739315

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JP6836685

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JP6854952

JP6892239

JP6892240

JP6905631

JP6906925

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JP6912634

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JP7164755

JP7166485

NEC Corporation

JP4066999

JP4666231

JP4973790

JP5300074

JP5682181

NHK Foundation

JP5113954

JP5113955

Nippon Hoso Kyokai

JP5156037

JP5156038

JP5156039

JP5156143

JP5156144

JP5175883

JP5269237

Nippon Hoso Kyokai

JP5269239

JP5269240

JP5269241

JP5271445

JP5544395

JP5548726

JP5584729

JP5584730

JP5586657

JP5586658

JP5586770

JP5923137

JP6018796

JP6068721

JP6097443

JP6101384

JP6154972

JP6214809

JP6214810

JP6214811

JP6271065

JP6271066

JP6275308

JP6323805

JP6388295

JP6803357

JP6858303

JP7300250

Orange SA

Orange SA

JP5396600

Panasonic Holdings Corporation

JP4735264

Sharp Corporation

JP3720347

JP4786739

Sony Group Corporation

JP4518058

JP4581955

JP4883199

JP4895113

JP5029037

JP5071746

JP5071749

JP5187352

JP5339168

JP5516826

JP5595590

JP5696913

JP5696914

JP5696915

JP5708874

JP5708875

JP5725390

JP5725391

JP5725392

JP5754491

Sony Group Corporation

JP5765478

JP5765479

JP5765480

JP5777793

JP5777794

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JP6065881

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JP6323514

JP6327296

JP6338720

JP6350514

JP6369524

JP6465233

JP6471820

JP6604395

JP6607303

JP6614279

Toshiba Corporation

JP4346471

JP4350714

JP4772899

JP4843686

JP5032419

JP5143050

JP5254411

Toshiba Corporation

JP5479631

JP5735069

JP5902279

JP5902280

JP5921398

JP6009946

JP6239674

JP6271203

JP6400783

JP6501859

Toshiba Corporation / TVS REGZA Corporation

JP4542914

JP5060251

JP5087022

JP5132808

JP5225324

TVS REGZA Corporation

JP5404864

JP6510089

JP6510090

JP6560658

JP6560659

JP6560660

JP6560661

JP6607843

JP6607844

JP6607845

JP6633507

TVS REGZA Corporation

JP6633805

JP6633806

JP6633807

JP6633808

JP6633809

JP6633810

JP6633811

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JP6686220

JP6697492

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JP6707479

JP6707704

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JP6707705 JP6732991

JP6732992

JP6734981

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JP6734983

JP6734984

JP6779927

JP6780145

JP6780146

JP6786533

JP6786740

JP6786741

JP6794386

JP6794387

TVS REGZA Corporation

JP6794569

JP6812378

JP6812379

JP6812380

JP6812589

JP6812590

JP6812591

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JP6812593

JP6812594

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JP6841963

JP6858355

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JP6858359

JP6858360

JP6888163

TVS REGZA Corporation

JP6888165

JP6891328

JP6891329

JP6891330

JP6891331

JP6891332

JP6891333

JP6891334

JP6891335

JP6914865

JP6914866

JP6942769

JP6968940

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
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
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
JP4382150	* Expired December 1, 2014
JP4385302	* Expired December 1, 2014

InterDigital CE Patent Holdings, SAS

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
JP2874729	* Expired January 30, 2015
JP3055540	* Expired January 30, 2015
JP3156892	* Expired July 30, 2013
JP3156893	* Expired August 19, 2013
JP3405345	* Expired January 24, 2020
JP3405347	* Expired January 24, 2020
JP3405348	* Expired January 24, 2020

JVCKENWOOD Corporation

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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
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JP3818528	* Expired January 30, 2015
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JP3818533	* Expired January 30, 2015
JP3818534	* Expired January 30, 2015
JP3818535	* Expired January 30, 2015
JP3818536	* Expired January 30, 2015
JP3830074	* Expired June 15, 2020
JP4221732	* Expired October 29, 2013
JP4269506	* Expired September 29, 2020
JP4743237	* Expired September 29, 2020
JP4884505	* Expired September 29, 2020

JVCKENWOOD Corporation

JP5214039 * Expired September 29, 2020

JVCKENWOOD Corporation / Panasonic Holdings Corporation

LG Electronics Inc.

JP2760799

* Expired April 28, 2008

Maxell, Ltd.

JP2798086 * Expired April 28, 2008 JP2798087 * Expired April 28, 2008 JP2870531 * Expired April 28, 2008 JP2870532 * Expired April 28, 2008 JP2960803 * Expired August 28, 2011 JP2980085 * Expired April 28, 2008 JP2989742 * Expired May 20, 2014 JP2993487 * Expired April 28, 2008 JP3008884 * Expired July 20, 2010 * Expired July 20, 2010 JP3008885 * Expired July 20, 2010 JP3011239 JP3025658 * Expired July 20, 2010 * Expired July 20, 2010 JP3031284 JP3031285 * Expired July 20, 2010 JP3119116 * Expired June 7, 2015 * Expired March 31, 2014 JP3139910 * Expired June 7, 2013 JP3149627 * Expired July 20, 2010 JP3178467

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
JP3780079	* Expired October 29, 2017
JP3785010	* Expired December 1, 2019
JP3793543	* Expired July 20, 2010
JP3795266	* Expired July 30, 2019
JP3829574	* Expired March 9, 2020
JP3882295	* Expired November 10, 2017
JP3922110	* Expired February 20, 2016
JP3937889	* Expired March 28, 2022
JP3995017	* Expired November 10, 2017

JP4029569	* Expired January 10, 2021
JP4042419	* Expired January 31, 2022
JP4046006	* Expired August 21, 2017
JP4062890	* Expired April 20, 2021
JP4093214	* Expired August 21, 2017
JP4103933	* Expired January 11, 2022
JP4103934	* Expired January 11, 2022
JP4103935	* Expired January 11, 2022
JP4162033	* Expired April 20, 2021
JP4192995	* Expired November 10, 2017
JP4201055	* Expired January 31, 2022
JP4208033	* Expired April 19, 2016
JP4225365	* Expired January 22, 2021
JP4238928	* Expired January 31, 2022
JP4254903	* Expired April 20, 2021
JP4299976	* Expired March 2, 2021
JP4300170	* Expired October 15, 2012
JP4300190	* Expired July 31, 2017
JP4332284	* Expired June 9, 2020
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

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	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
	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
JP5002773	* Expired April 22, 2013
JP5063629	* Expired June 4, 2021
JP5156803	* Expired June 4, 2021
JP5292371	* Expired October 11, 2022
JP5452685	* Expired October 11, 2022

JP5478690 * Expired June 4, 2021

Maxell, Ltd. / Nippon Hoso Kyokai

Maxell, Ltd. / Pioneer Corporation

JP2911861 * Expired November 26, 2017

* Expired June 4, 2013

Mitsubishi Electric Corporation

JP2935788

* Expired February 1, 2016 JP3172425 JP3215952 * Expired April 7, 2012 JP3216531 * Expired July 24, 2016 JP3216534 * Expired August 29, 2016 JP3301055 * Expired March 29, 2016 JP3316572 * Expired April 7, 2012 JP3316573 * Expired April 7, 2012 JP3468115 * Expired August 4, 2018 JP3505378 * Expired January 29, 2018 JP3740712 * Expired June 13, 2015 * Expired October 12, 2019 JP3800886 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 * Expired June 13, 2015 JP4096995 * Expired August 4, 2019 JP4250817 * Expired October 14, 2019 JP4250832

Mitsubishi Electric Corporation

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 * Expired October 14, 2019 JP4888458 * Expired October 14, 2019 JP4888459 JP4947192 * Expired May 14, 2018 * Expired May 14, 2018 JP4947198 JP5071569 * Expired February 1, 2020 JP5267707 * Expired February 1, 2020

NEC Corporation

JP3090137 * Expired January 29, 2019 JP3332072 * Expired April 9, 2018 JP3501213 * Expired July 13, 2019 JP3531604 * Expired November 24, 2020 * Expired November 20, 2021 JP3832321 JP4045805 * Expired January 11, 2022 JP4051968 * Expired March 7, 2022 JP4200893 * Expired December 19, 2023 JP5056965 * Expired October 5, 2015

Nippon Hoso Kyokai

 JP2883238
 * Expired February 6, 2012

 JP2904986
 * Expired January 31, 2012

 JP3103617
 * Expired June 13, 2011

 JP3133958
 * Expired May 19, 2017

 JP3133960
 * Expired May 28, 2017

 JP3457482
 * Expired September 12, 2016

Nippon Hoso Kyokai

JP4266387 * Expired November 13, 2020

JP4806444 * Expired May 24, 2021

Orange SA

JP4391412 * Expired April 30, 2023

JP4864322 * Expired September 5, 2023

Orange SA / TDF SAS

JP3044899 * Expired January 17, 2012 JP3827718 * Expired June 13, 2015

Panasonic Holdings Corporation

JP3008651 * Expired March 27, 2012 JP3061053 * Expired March 27, 2012 JP3061054 * Expired March 27, 2012 JP3109552 * Expired March 26, 2013 JP3114727 * Expired March 27, 2012 * Expired January 9, 2015 JP3149328 JP3154704 * Expired March 26, 2013 JP3154705 * Expired March 26, 2013 * Expired March 26, 2013 JP3154706 JP3154707 * Expired March 26, 2013 JP3162452 * Expired February 3, 2012 * Expired September 24, 2013 JP3231035 * Expired September 24, 2013 JP3231036 JP3233625 * Expired September 24, 2013

Panasonic Holdings Corporation

JP3233626	* Expired September 24, 2013
JP3233850	* Expired March 13, 2016
JP3248807	* Expired March 25, 2014
JP3327914	* Expired March 25, 2014
JP3327915	* Expired March 25, 2014
JP3327916	* Expired March 25, 2014
JP3359327	* Expired March 26, 2013
JP3359328	* Expired September 24, 2013
JP3366194	* Expired October 1, 2016
JP3380138	* Expired May 30, 2017
JP3382569	* Expired October 14, 2019
JP3387769	* Expired February 21, 2017
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

Panasonic Holdings Corporation

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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
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

Panasonic Holdings Corporation

JP3987526 * Expired March 26, 2013 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 * Expired May 30, 2017 JP4243256 * Expired December 11, 2018 JP4317844 JP4317845 * Expired December 11, 2018 * Expired July 27, 2020 JP4369990 * Expired October 20, 2020 JP4409743 JP4410307 * Expired July 27, 2020 JP4561822 * Expired July 16, 2023 * Expired March 9, 2021 JP4649533 JP4666110 * Expired July 16, 2023 JP4744625 * Expired July 27, 2020

Panasonic Holdings Corporation / Nippon Hoso Kyokai

Pioneer Corporation

Sanyo Electric Co., Ltd.

JP3108392 * Expired October 1, 2017

Sanyo Electric Co., Ltd.

JP3475031 * Expired January 9, 2017
JP3481107 * Expired December 4, 2017

Sharp Corporation

JP2945569 * Expired October 27, 2013 * Expired October 27, 2013 JP2981448 * Expired January 10, 2017 JP3205713 * Expired March 29, 2016 JP3256434 * Expired April 8, 2018 JP3439653 * Expired May 29, 2016 JP3483703 JP3499128 * Expired March 24, 2018 JP3504487 * Expired February 13, 2018 JP3518739 * Expired January 30, 2015 * Expired July 29, 2018 JP3522542 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 * Expired May 28, 2021 JP3717422 JP3720722 * Expired March 7, 2021 JP3775937 * Expired March 18, 2019 * Expired February 21, 2020 JP3824833 * Expired April 13, 2020 JP3841617 JP3842959 * Expired June 21, 2020 * Expired April 24, 2022 JP3916499 * Expired December 3, 2022 JP4137613 JP4165987 * Expired August 10, 2020

Sony Group Corporation

JP3077467	* Expired October 8, 2013
JP3082820	* Expired November 25, 2013
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
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
JP3658919	* Expired April 15, 2017
JP3666093	* Expired December 25, 2015
JP3685182	* Expired November 13, 2015
JP3712009	* Expired March 28, 2015
JP3712063	* Expired March 28, 2015
JP3835655	* Expired June 9, 2018
JP3844527	* Expired May 31, 2015

Sony Group Corporation

JP3864514 * Expired September 22, 2017
JP3901179 * Expired October 8, 2012

JP3906592 * Expired January 5, 2019

JP3988755 * Expired May 22, 2015

JP4046873 * Expired November 16, 2018

JP4049180 * Expired February 10, 2017

JP4051688 * Expired January 21, 2020

JP4051689 * Expired January 21, 2020

JP4072692 * Expired September 29, 2014

JP4081780 * Expired April 30, 2018

JP4099599 * Expired February 10, 2017

JP4190594 * Expired December 28, 2015

JP4296895 * Expired December 28, 2015

JP4314745 * Expired April 17, 2020

JP4543555 * Expired April 11, 2020

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

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TVS REGZA Corporation

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