

## **CATV-Compliant ARIB Essential Patent Portfolio**

January 1, 2025

### **Dolby International AB**

JP5562408

### **INFOCITY, Inc.**

JP5247097

JP6310109

### **INFOCITY, Inc. / Nippon Hoso Kyokai**

JP6789553

### **JVCKENWOOD Corporation**

JP4620788

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### **KDDI CORPORATION**

JP5254162

### **LG Electronics Inc.**

JP6291081

JP6392792

### **Maxell, Ltd.**

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**Maxell, Ltd.**

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**Maxell, Ltd.**

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**Maxell, Ltd.**

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**MxH Corporation**

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**NEC Corporation**

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**NHK Foundation**

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**Nippon Hoso Kyokai**

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**Nippon Hoso Kyokai**

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**Orange SA**

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**Panasonic Holdings Corporation**

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**Sharp Corporation**

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**Sony Group Corporation**

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**TVS REGZA Corporation**

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TVS REGZA Corporation

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**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
JP4302537	* Expired January 7, 2024

**InterDigital CE Patent Holdings, SAS**

JP2806587	* Expired October 20, 2009
JP3169903	* Expired January 31, 2017
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**InterDigital CE Patent Holdings, SAS**

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JP4446399	* Expired June 28, 2016
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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

**JVCKENWOOD Corporation**

JP3405348	* Expired January 24, 2020
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JP3431609	* Expired July 11, 2017
JP3453696	* Expired November 7, 2016
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JP4221732	* Expired October 29, 2013
JP4269506	* Expired September 29, 2020
JP4743237	* Expired September 29, 2020

**JVCKENWOOD Corporation**

JP4884505	* Expired September 29, 2020
JP5214039	* Expired September 29, 2020

**JVCKENWOOD Corporation / Panasonic Holdings Corporation**

JP2924538	* Expired January 28, 2013
JP3405344	* Expired January 24, 2020
JP3405346	* Expired January 24, 2020

**KYOCERA Corporation**

JP4753565	* Expired November 10, 2024
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**LG Electronics Inc.**

JP4278657	* Expired March 19, 2018
JP4806702	* Expired May 13, 2022

**Maxell, Ltd.**

JP2760799	* Expired April 28, 2008
JP2798086	* Expired April 28, 2008
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JP2870532	* Expired April 28, 2008
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JP3031284	* Expired July 20, 2010
JP3031285	* Expired July 20, 2010

**Maxell, Ltd.**

JP3119116	* Expired June 7, 2015
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JP3149627	* Expired June 7, 2013
JP3178467	* Expired July 20, 2010
JP3217137	* Expired July 28, 2012
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JP3793543	* Expired July 20, 2010
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JP3829574	* Expired March 9, 2020



**Maxell, Ltd.**

JP3882295	* Expired November 10, 2017
JP3922110	* Expired February 20, 2016
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JP4042419	* Expired January 31, 2022
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JP4238928	* Expired January 31, 2022
JP4254903	* Expired April 20, 2021
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**Maxell, Ltd.**

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**Maxell, Ltd.**

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JP4790825	* Expired July 28, 2018
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JP4792543	* Expired July 28, 2018
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JP4876189	* Expired June 21, 2021

**Maxell, Ltd.**

JP4901993	* Expired October 13, 2024
JP4959851	* Expired June 21, 2021
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JP5002772	* Expired April 22, 2013
JP5002773	* Expired April 22, 2013
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JP5050129	* Expired October 13, 2024
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**

JP3884881	* Expired May 21, 2019
JP4414969	* Expired May 21, 2019
JP4791567	* Expired May 21, 2019

**Maxell, Ltd. / Pioneer Corporation**

JP2911861	* Expired November 26, 2017
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**Mitsubishi Electric Corporation**

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**Mitsubishi Electric Corporation**

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JP3505378	* Expired January 29, 2018
JP3740712	* Expired June 13, 2015
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JP5267707	* Expired February 1, 2020

**NEC Corporation**

JP3090137	* Expired January 29, 2019
JP3332072	* Expired April 9, 2018
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JP3531604	* Expired November 24, 2020
JP3832321	* Expired November 20, 2021

**NEC Corporation**

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JP4051968	* Expired March 7, 2022
JP4066999	* Expired December 28, 2024
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**Nippon Hoso Kyokai**

JP2883238	* Expired February 6, 2012
JP2904986	* Expired January 31, 2012
JP3103617	* Expired June 13, 2011
JP3133958	* Expired May 19, 2017
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JP4249253	* Expired November 13, 2020
JP4266387	* Expired November 13, 2020
JP4806444	* Expired May 24, 2021

**Orange SA**

JP4391412	* Expired April 30, 2023
JP4673302	* Expired June 2, 2024
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
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**Panasonic Holdings Corporation**

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JP4744625	* Expired July 27, 2020

**Panasonic Holdings Corporation / Nippon Hoso Kyokai**

JP3083159	* Expired June 30, 2018
JP4057603	* Expired June 30, 2018
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JP4197690	* Expired June 30, 2018

**Pioneer Corporation**

JP2852295	* Expired May 26, 2017
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JP2963895	* Expired July 6, 2018
JP3437666	* Expired February 21, 2015

**Sanyo Electric Co., Ltd.**

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JP3475031	* Expired January 9, 2017
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**Sharp Corporation**

JP2945569	* Expired October 27, 2013
JP2981448	* Expired October 27, 2013
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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

**Sharp Corporation**

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
JP3720347	* Expired April 13, 2024
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
JP4137613	* Expired December 3, 2022
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

**Sony Group Corporation**

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
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**

JP5071746	* Expired June 24, 2024
JP5071749	* Expired June 24, 2024
JP5187352	* Expired June 21, 2024
JP5339168	* Expired June 24, 2024

**Sony Group Corporation / Nippon Hoso Kyokai**

JP3940541	* Expired February 25, 2020
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**Sony Group Corporation / Toshiba Corporation / Nippon Hoso Kyokai**

JP2975932	* Expired July 9, 2018
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**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
JP4346471	* Expired February 27, 2024

**Toshiba Corporation / TVS REGZA Corporation**

JP3239084	* Expired May 30, 2017
JP3474510	* Expired February 29, 2020
JP3602768	* Expired April 12, 2020
JP3663149	* Expired May 21, 2021
JP3824574	* Expired February 29, 2020
JP3824575	* Expired February 29, 2020

**Toshiba Corporation / TVS REGZA Corporation**

JP3917611	* Expired April 12, 2020
JP4127778	* Expired August 26, 2022
JP4607941	* Expired August 26, 2022
JP4703631	* Expired August 26, 2022
JP4703632	* Expired August 26, 2022

**TVS REGZA Corporation**

JP4138575	* Expired May 22, 2023
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