



NEWS RELEASE

COMPREHENSIVE RESOLUTION OF PATENT ISSUE RELATING TO BS 4K DIGITALTELEVISION BROADCASTING

ULDAGE and BS 4K Digital Television Broadcasters Agree on
Execution of License Agreements

August 8, 2022

ULDAGE Inc.

ULDAGE Inc., the patent pool license administrator, is pleased to report that, up to today, following BS 4K digital television broadcasters and ULDAGE, after long-held negotiations, have executed license agreements for essential patents relating to BS 4K digital television broadcasting.

NIPPON HOSO KYOKAI (Japan Broadcasting Corporation), BS Nippon Corporation, Asahi Satellite Broadcasting Limited, BS-TBS, INC., BS TV Tokyo Corporation, FUJI SATELLITE BROADCASTING, INC., WOWOW INC., SC Satellite Hoso Kabushikikaisha, QVC SATELLITE, INC.

(in numerical order of channel)

BS 4K digital television broadcasting, which started in Japan in December 2018, is provided in conformity with the commonly known as ARIB Standards established through discussions among the participating members of The Association of Radio Industries and Businesses (ARIB). The Standards reflect technologies, suggestions, and ideas of numerous broadcasters, device manufacturers, and other concerned parties, and consequently, there is a wide variety of patent holders involved in such technologies, and a large number of essential patents are also involved.

Unless appropriate measures are taken to tackle this kind of complex patent issue, the standards themselves or the growth of BS 4K digital television broadcasting business itself could be negatively affected.

ULDAGE was established in July 2006 in order to resolve such patent issue and promote the growth of the digital television broadcasting system by gathering various essential

patents relating to digital television broadcasting in one place and then licensing them as a package through the commonly known as patent pooling method.

At present, ULDAGE has pooled approximately 570 essential patents held by 19 patent holders. Under the BS 4K digital television license program intended for receivers, which was implemented back in 2017, 88 licensee companies manufacture and sell such devices, and the program has contributed greatly to the establishment of the environment for the promotion of the BS 4K digital televisions which are capable to receive high resolution 4K digital television broadcasting in addition to existing 2K digital television broadcasting.

Digital television broadcasting cannot be realized unless both ends exist: the broadcasters which send signals that comply with the ARIB Standards and the television receivers which receive such signals.

Consequently, ULDAGE has long pursued negotiations with the representatives of the BS 4K digital television broadcasters to materialize the license program for BS 4K digital television broadcasting. The recent execution of license agreements with the BS 4K digital television broadcasters, following the license agreements with 129 terrestrial digital television broadcasters concluded in March 2013, as well as those with 19 BS digital television broadcasters concluded in September 2015 and 21 CS digital television broadcasters concluded in April 2018 are groundbreaking in that the broadcasters will now reward the patent holders, namely, the developers of the relevant technologies, by directly bearing an appropriate proportion of royalties for the use of such technologies.

As a result, the broadcasters will be able to further conduct their broadcasting businesses in a stable condition without any concern over the issue of BS 4K digital television broadcasting related essential patents pooled with ULDAGE. BS 4K digital television broadcasting has just launched recently and we expect additional new broadcasters in future. These new broadcasters are also required to enter into the similar license agreement. ULDAGE shall contribute to maintain the culture of fair sharing of royalties among the implementers.

About ULDAGE Inc.

ULDAGE Inc. was established in July 2006 for the purpose of providing tools for revitalizing business by creating a competitive environment through collaboration and resolution of patent issues in this complex digital age. ULDAGE Inc. undertakes its business by granting licenses for essential patents held by multiple parties in a single package (by the patent pooling method) which offers convenience to both patent holders and business operators.

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Stated Capital: 60,000,000 yen

Shareholders:	JVC KENWOOD Corporation	14.29%
	Maxell, Ltd.	14.29%
	Mitsubishi Electric Corporation	14.29%
	Panasonic Holdings Corporation	14.29%
	Sharp Corporation	14.29%
	Sony Group Corporation	14.29%
	Toshiba Corporation	14.29%