



## NEWS RELEASE

### COMPREHENSIVE RESOLUTION OF PATENT ISSUE RELATING TO CS 4K DIGITAL TELEVISION BROADCASTING

ULDAGE and SKY Perfect Entertainment Corporation, a CS 4K Digital Television Broadcaster, Agree on Execution of License Agreement

January 26, 2024

ULDAGE Inc.

ULDAGE Inc., the patent pool license administrator, is pleased to announce that, SKY Perfect Entertainment Corporation, a CS 4K digital television broadcaster, and ULDAGE, after long-held negotiations, have executed license agreement for essential patents relating to CS 4K digital television broadcasting.

Advanced Narrowband CS 4K digital television broadcasting which started in Japan in March 2015 and Advanced Broadband CS 4K digital television broadcasting which started in Japan in December 2018 (hereinafter collectively referred to as "CS 4K digital television broadcasting"), 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 CS 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 660 essential patents held by 19 patent

holders. Under the CS 4K digital television license program intended for receivers, which was implemented back in 2017, 85 licensee companies manufacture and sell such devices, and the program has contributed greatly to the establishment of the environment for the promotion of the CS 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 television broadcasters to materialize the license program for digital television broadcasting. The recent execution of license agreements with a CS 4K digital television broadcaster, 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, as well as those with 21 CS digital television broadcasters concluded in April 2018, and with 9 BS 4K digital television broadcasters concluded in December 2022, 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 conduct their broadcasting businesses without any concern over the issue of CS 4K digital television broadcasting related essential patents pooled with ULDAGE. 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%