

NEWS RELEASE

**ULDAGE announces Third Additional Call for Patents Essential
to 4K/8K Television Broadcasting for CATV**

December 20, 2019

ULDAGE Inc.

ULDAGE Inc. (“ULDAGE”), a company for patent pool license management and administration, announced today that it is going to make some of the standards available for the Call for Patents essential to the standards of 4K/8K television broadcasting applicable to CATV in addition to the existing ones.

Currently, ULDAGE licenses a package of over 700 essential patents which are relating to the current digital television broadcasting standards through a patent pool system. Through this approach, ULDAGE has made substantial contributions for the promotion and market growth of digital television broadcasting system following the full transition of the broadcasting system from “analog broadcasting” to “digital broadcasting” to resolve the underlying patent issues for sales and production of broadcasting receivers and broadcasting services.

With its experience in relation to this kind of current digital television broadcasting, on April 3, 2017 ULDAGE announced a Call for Patents essential to the standards of 4K/8K television broadcasting for CATV (with a news release dated the same date entitled “ULDAGE announces a New Call for Patents essential to 4K/8K Broadcasting for IPTV and CATV”). An additional Call for Patents was made on June 10, 2017 (with a news release dated the same date entitled “ULDAGE announces the Addition of Subject Standards Regarding the Call for Patents essential to 4K/8K Television Broadcasting for CATV”). A 2nd additional Call for Patents was made on Dec. 21, 2018 (with a news release dated the same date entitled “ULDAGE announces the second

additional Call for Patents Essential to 4K/8K Television Broadcasting for CATV”).

Taking this opportunity, with respect to the Call for Patents essential to the standards of 4K/8K television broadcasting for CATV, some of the standards, that are expected to be used mainly in IP transmission, BS pass-through transmission and Hybrid cast, are to be added to the existing standards to be applicable for the evaluation of essentiality.

For any party that possesses Japanese patents that it believes are essential to the realization of the function and utility prescribed in the subject standards including these additional standards and wishes to apply for evaluation of essentiality, please apply for the evaluation to the Japan Intellectual Property Arbitration Center. Also, the call for patents essential to the subject standards prior to these additional standards continues available. For more information regarding the subject standards and the procedures, please visit the website of the Japan Intellectual Property Arbitration Center (<http://www.ip-adr.gr.jp/eng/>) or the website of ULDAGE (<http://www.uldage.com/en/>).

About ULDAGE

ULDAGE was established in July 2006, aiming for the resolution of entanglement of patents through cooperation among parties concerned and for the creation of fair competition in this digital age. ULDAGE grants non-exclusive licenses to essential patents of multiple parties in a single package, and its business offers convenience to both patent holders and business users.

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