



NEWS RELEASE

COMPREHENSIVE RESOLUTION OF PATENT ISSUE RELATING TO
DIGITAL COMMUNICATION SATELLITE (DIGITAL CS110 BROADCASTERS)
ULDAGE and Digital CS110 Broadcasters Agree on Execution of License Agreements

April 1, 2018
ULDAGE Inc.

ULDAGE Inc., the patent pool license administrator, is pleased to announce that, up to today, following digital CS110 broadcasters and ULDAGE, after long-held negotiations, have executed license agreements for patents relating to digital CS110 broadcasting.

SKY Perfect JSAT Corporation, CS Nippon Corporation, C-TBS, Incorporated, Satellite Service, CS One Ten, LTD., InteracTV Co.,Ltd., IGO & SHOGI CHANNEL INC., INTERLOCALMEDIA CO., LTD., Shochiku Broadcasting Co.,Ltd., SC サテライト放送株式会社, M-ON! Entertainment Inc., GAORA INCORPORATED, Kids Station Inc., Sky-A,Inc., TAKARAZUKA Creative Arts CO,LTD., Toei Satellite TV Company.Ltd., AXN Entertainment Co., Ltd., TOHOKUSHINSHA MEDIA SERVICE INC., BS-FOX, SKY Perfect Entertainment Corporation, Nihon Eiga Broadcasting Corporation, Broadcast Satellite Disney Co., Ltd.

(in no particular order)

Digital CS110 broadcasting, which started in Japan in March 2002, is provided in conformity with the so-called 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 patents are also involved.

Unless appropriate measures are taken to tackle this kind of complex patent issue, the standards themselves or the growth of digital CS110 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 patents relating to digital television

broadcasting in one place and then licensing them as a package through the so-called patent pooling method.

At present, ULDAGE has pooled approximately 680 patents held by 20 patent holders. Under the license program intended for receivers, which was implemented back in 2007, 151 licensee companies manufacture and sell such devices, and the program has contributed greatly to the establishment of the environment for the expansion of access to digital television in relation to the complete transition from analog broadcasting to digital 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 digital CS110 broadcasters to materialize the license program for digital CS110 broadcasting. The recent execution of license agreements with the digital CS110 broadcasters, following the license agreements with digital terrestrial broadcasters concluded in March 2013, and the license agreements with digital BS broadcasters concluded in September 2015, is 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 their broadcasting businesses in a stable condition without any concern over the issue of digital CS110 broadcasting related patents pooled with ULDAGE.

The channels number and stations subject to this license agreement are as follows:

055 Shop Channel
100 SKY PerfectTV! PROMO100
161 QVC
218 TOEI CHANNEL
219 EISEIGEKIJO
223 Channel NECO
227 THE Cinema
240 Movie Plus
250 SKYA
254 GAORA SPORTS
257 ntvG+
262 GOLFNETWORK
290 TAKARAZUKA SKY STAGE
292 Jidaigeki senmon channel

293 FAMILY GEKIJYO
294 Homedrama channel
295 MONDO TV
296 TBS CHANNEL 1
297 TBS CHANNEL 2
298 TV asahi channel1
299 TV asahi channel2
300 Nittelplus Drama • Animation • musiclive
305 Channel Ginga
307 FUJITV ONE
308 FUJITV TWO
309 FUJITV NEXT
310 Super!dramaTV
311 AXN
312 FOX
314 LaLa TV
316 AXN Mystery
321 100%HITS! SPACESHOWER TV PLUS
322 SPACE SHOWER TV
323 MTV HD
325 MUSIC ON! TV
326 MUSIC AIR
329 Popular Music channel
330 Kids Station
331 CARTOON NETWORK
333 AT-X
339 Disney Junior
340 Discovery Channel
341 ANIMAL PLANET
342 The History Channel
343 National Geographic
349 日テレ NEWS24
351 TBS NEWS BIRD
353 BBC World News
354 CNNj
363 IGO & SHOGI CHANNEL
800 Sukasaka !
801 Sukachan1

802 Sukachan2

805 Sukachan3

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