

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	04/23/2018
KYONGGI UNIVERSITY INDUSTRY & ACADEMIA COOPERATION FOUNDATION	04/23/2018

RECEIVING PARTY DATA

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
Street Address:	218 GAJEONG-RO, YUSEONG-GU 34129
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15714690

CORRESPONDENCE DATA**Fax Number:** (202)315-3758*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** 2024290020**Email:** pto@nsiplaw.com**Correspondent Name:** NSIP LAW**Address Line 1:** P.O. BOX 65745**Address Line 4:** WASHINGTON, D.C. 20035

ATTORNEY DOCKET NUMBER:	022052.0047C1
NAME OF SUBMITTER:	CHARLES Y. PARK
SIGNATURE:	/Charles Y. Park/
DATE SIGNED:	05/24/2018

Total Attachments: 3

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ASSIGNMENT

For valuable consideration,

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH

INSTITUTE, a Korean corporation having principal executive offices or place of business at 218 Gajeong-ro, Yuseong-gu, Daejeon 34129, Republic of Korea

And

KYONGGI UNIVERSITY INDUSTRY & ACADEMIA COOPERATION

FOUNDATION, a Korean corporation having principal executive offices or place of business at 154-42, Gwanggyosan-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16227, Republic of Korea (hereinafter called "the Assignors"),

hereby assign to:

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH

INSTITUTE, a Republic of Korea corporation having principal executive offices or place of business at 218 Gajeong-ro, Yuseong-gu, Daejeon 34129, Republic of Korea;

and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application:

Application No.	Filing Date	Title
15/714,690	09-25-2017	AUDIO METADATA PROVIDING APPARATUS AND METHOD, AND MULTICHANNEL AUDIO DATA PLAYBACK APPARATUS AND METHOD TO SUPPORT DYNAMIC FORMAT CONVERSION

this Assignment includes said applications, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, any reissues, supplemental examinations, and reexaminations, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and Assignors authorizes the Assignee to apply in all countries in Assignors' name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and Assignors agrees for itself and its heirs, legal representatives and assigns, without further

compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN TESTIMONY/WITNESS WHEREOF, undersigned Assignors intending to be legally bound, has hereto affixed its signature by its duly authorized representative.

This 23 day of April, 2018

Yung-Sik Kwon

Signature of Representative:

(ELECTRONICS AND
TELECOMMUNICATIONS RESEARCH
INSTITUTE)

Yung-Sik Kwon

Printer Name

Director

Title

This 23 day of April, 2018

Joon S. Lee

Signature of Representative:

(KYONGGI UNIVERSITY INDUSTRY &
ACADEMIA COOPERATION
FOUNDATION)

Joon-Seong Lee

Printed Name

Dean

Title