

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HYUNOH OH	08/31/2016
TAEGYU LEE	08/31/2016
JINSAM KWAK	08/30/2016
JUHYUNG SON	08/31/2016
RECEIVING PARTY DATA	
Name:	WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC.
Street Address:	5F 216 HWANGSAEUL-RO BUNDANG-GU SEONGNAM-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	13595
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16993267
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Email:	la_mail@la.ladas.com
Correspondent Name:	LADAS & PARRY LLP
Address Line 1:	4525 WILSHIRE BLVD., SUITE 240
Address Line 4:	LOS ANGELES, CALIFORNIA 90010
ATTORNEY DOCKET NUMBER:	B-8949CON4 632803-2
NAME OF SUBMITTER:	AZATUHI CHINARYAN
SIGNATURE:	/AZATUHI CHINARYAN/
DATE SIGNED:	03/02/2021
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, I/we, Hyunoh OH of Gyeonggi-do, Korea, Taegyu LEE of Gyeonggi-do, Korea, Jinsam KWAK of Gyeonggi-do, Korea, and Juhyung SON of Gyeonggi-do, Korea ("Assignor"), am/are the inventor(s) of an invention entitled "AUDIO SIGNAL PROCESSING METHOD AND APPARATUS" that is the subject matter of: (check all that apply)

- ☒ an application for Letters Patent which claims the priority to Korean Patent Application No. 10-2014-0033966 filed on March 24, 2014, which claims benefit to U.S. Patent Application No. 61/955,243 filed on March 19, 2014.
- ☒ an application for Letters Patent which claims the benefit to U.S. Patent Application No. 61/955,243 filed on March 19, 2014.
- ☒ an application made under the Patent Cooperation Treaty which is identifiable at WIPO by Application No. PCT/KR2015/002669 filed on March 19, 2015.
- ☒ an application for Letters Patent which is identifiable in the Patent Office of US by Application No. 15/795,180 filed on October 26, 2017.

WHEREAS, WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC., an institute organized and existing under the laws of Korea ("Assignee"), and having offices at (Jeong-hwan Bldg., Yangjae-dong) 2F 48 Mabang-ro Seocho-gu, Seoul, Korea 137-894 is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection

- ☒ in the United States
- ☐ in all other countries or jurisdictions;

"NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged,

- a) I/we agree to transfer, and
- b) I/we do hereby transfer,

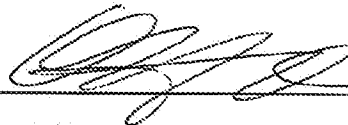
to Assignee, its successors and assigns, effective as of March 19, 2014 *nunc pro tunc*, my/our entire right, title and interest in the above named countries and jurisdictions in and to the following including the right to sue for past infringement: the invention, the above-identified applications, all applications from which any of the above-identified applications claim priority, corresponding U.S. and non-U.S. applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention, and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee."

I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in the above named countries and jurisdictions and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and

assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, including without limitation providing testimony in any related interference, litigation or proceeding. To the extent that I/we, my/our executors or administrators are unable or unavailable to execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as Assignee, its successors and assigns may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, I/we, my/our executors or administrators hereby authorize Assignee, its successors and assigns to act on my/our behalf/behalfes.

If any provision(s) of this Assignment are held unenforceable or in conflict with the law of any jurisdiction, the validity of the remaining provisions will not be affected by such holding and the part held unenforceable in or in conflict with the law of one jurisdiction will remain in effect for other jurisdictions until held unenforceable or in conflict with the law of that jurisdiction.



Hyunoh Oh

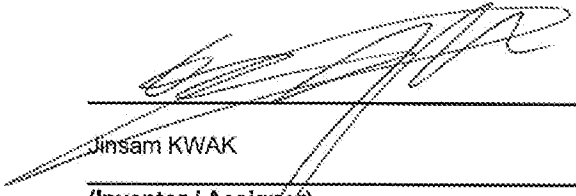
(Inventor / Assignor)

Aug 31, 2016
Date

Taegyu LEE

(Inventor / Assignor)

Aug. 31, 2016
Date



Jinsam KWAK

(Inventor / Assignor)

Aug 30, 2016
Date



Juhyung SON

(Inventor / Assignor)

Aug 31 2016
Date