

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
TAEGYU LEE	05/27/2016
HYUNOH OH	05/27/2016
JEONGIL SEO	05/27/2016
YONGJU LEE	05/27/2016
SEUNGKWON BEACK	05/27/2016
KYEONGOK KANG	05/27/2016
DAEYOUNG JANG	05/27/2016
YOUNGCHEOL PARK	05/27/2016
DAEHEE YOUN	05/27/2016

**RECEIVING PARTY DATA**

<b>Name:</b>	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
<b>Street Address:</b>	218 GAJEONG-RO, YUSEONG-GU
<b>City:</b>	DAEJEON
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	305-700
<b>Name:</b>	INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY
<b>Street Address:</b>	YONSEI UNIV., 50 YONSEI-RO, SEODAEMUN-GU
<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	120-749
<b>Name:</b>	WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY
<b>Street Address:</b>	(JEONG-HWAN BLDG., YANGJAE-DONG)2F
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<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	137-894

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15031274

PATENT

**CORRESPONDENCE DATA****Fax Number:** (310)868-2840*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:** 310-407-5445**Email:** info@kpatent.com**Correspondent Name:** PARK, KIM & SUH, LLC**Address Line 1:** 1875 CENTURY PARK EAST**Address Line 2:** SUITE #600**Address Line 4:** LOS ANGELES, CALIFORNIA 90067**ATTORNEY DOCKET NUMBER:** PB16-0027\_ASSIGN**NAME OF SUBMITTER:** ANDREW S. PARK**SIGNATURE:** /Andrew S. Park/**DATE SIGNED:** 06/15/2016**Total Attachments: 6**

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**ASSIGNMENT**

WHEREAS,	<b>Taegyul LEE, Hyunoh OH, Jeongil SEO, Yongju LEE, Seungkwon BEACK, Kyeongok KANG, Daeyoung JANG, Youngcheol PARK and Daehee YOUN</b> (hereinafter designated as the undersigned),
respectively, has (have) invented certain new and useful improvements in:	
<b>METHOD FOR GENERATING FILTER FOR AUDIO SIGNAL AND PARAMETERIZING DEVICE THEREFOR</b>	
for which an application for Letters Patent was executed by the undersigned	

for Application No.	<b>15/031,274</b>	, Filed	<b>April 22, 2016</b>	, and
WHEREAS,	<b>ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE</b>			
(hereinafter referred to as "Assignee") having a place of business at:				
218 Gajeong-ro, Yuseong-gu, Daejeon 305-700, Republic of Korea,				
	<b>INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY</b>			
(hereinafter referred to as "Assignee") having a place of business at:				
Yonsei Univ., 50 Yonsei-ro, Seodaemun-gu, Seoul 120-749, Republic of Korea, and				
	<b>WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY</b>			
(hereinafter referred to as "Assignee") having a place of business at:				
(Jeong-hwan Bldg., Yangjae-dong)2F, 48 Mabang-ro, Seocho-gu, Seoul 137-894, Republic of Korea				

are desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefore in the United States of America, its territories, dependencies and possessions, and in any and all foreign countries and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue application thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements and to cooperate with the Assignee in every way possible in

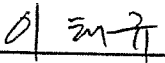
obtaining and producing evidence and proceeding with any interference which may be declared concerning this application.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

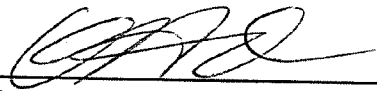
The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of Park, Kim & Suh, LLC, 1875 Century Park East, Suite #600, Los Angeles, CA 90067 the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Inventor's Signature:   
Taegyu LEE

Date: May 27, 2016

Inventor's Signature:   
Hyunoh OH

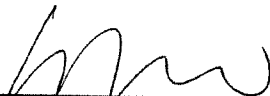
Date: May 27, 2016

Inventor's Signature: \_\_\_\_\_  
Jeongil SEO

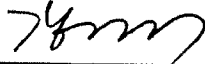
Date: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_  
Yongju LEE

Date: \_\_\_\_\_

Inventor's Signature:   
Seungwon BEACK

Date: 27, May, 2016

Inventor's Signature:   
Kyeongok KANG

Date: May 27th, 2016

Inventor's Signature:   
Daeyoung JANG

Date: 27. May. 2016

Inventor's Signature: \_\_\_\_\_  
Youngcheol PARK

Date: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_  
Daehee YOUN

Date: \_\_\_\_\_

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obtaining and producing evidence and proceeding with any interference which may be declared concerning this application.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Inventor's Signature: \_\_\_\_\_  
Taegyu LEE

Date: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_  
Hyunoh OH

Date: \_\_\_\_\_

Inventor's Signature:  \_\_\_\_\_  
Jeongil SEO

Date: 27 MAY 2016

Inventor's Signature:  \_\_\_\_\_  
Yongju LEE

Date: 27, May, 2016

Inventor's Signature: \_\_\_\_\_  
Seungkwon BEACK

Date: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_  
Kyeongok KANG

Date: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_  
Daeyoung JANG

Date: \_\_\_\_\_

Inventor's Signature: Youngcheol Park  
Youngcheol PARK

Date: May 27, 2016

Inventor's Signature: Daehee Youn  
Daehee YOUN

Date: May 29, 2016