503390721 07/14/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEONGIL SEO	07/03/2015
KYEONGOK KANG	07/06/2015

RECEIVING PARTY DATA

Name:	ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE OF KOREA
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State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13122252

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ATTORNEY DOCKET NUMBER:	3064.103
NAME OF SUBMITTER:	DAVID R. HIGGINS
SIGNATURE:	/David R. Higgins/
DATE SIGNED:	07/14/2015

Total Attachments: 6

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PATENT REEL: 036078 FRAME: 0099

ASSIGNMENT OF INVENTION RIGHTS

WHEREAS,

Jeongil SEO 709-1401 Banseok-Maeul 7 Banseok-dong Yuseong-gu Daejeon 305-150 REPUBLIC OF KOREA

Kyeongok KANG 101-605 Samsung-Puren Apartment Jeonmin-dong Yuseong-gu Daejeon 305-390 REPUBLIC OF KOREA

(hereinafter "Assignor") has or may have invented certain new and useful improvements and/or designs (each hereinafter an "Invention" and collectively the "Inventions"), for a full description of which reference is here made to the following patent properties:

Application No.: GB 0817950.9 Filed on: October 1, 2008

Application No.: PCT/GB2009/051292

Titled: APPARATUS AND METHOD FOR REPRODUCING A SOUND FIELD WITH A

LOUDSPEAKER ARRAY CONTROLLED VIA A CONTROL VOLUME

Filed on: October 1, 2009

Application No.: 13/122,252

Titled: APPARATUS AND METHOD FOR REPRODUCING A SOUND FIELD WITH A

LOUDSPEAKER ARRAY CONTROLLED VIA A CONTROL VOLUME

371(c) Date: July 15, 2011

(each hereinafter a "Patent Property" and collectively the "Patent Properties");

WHEREAS.

ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE OF KOREA 161 Gaejeong-dong
Yusong-ku
Taejon

REPUBLIC OF KOREA

(hereinafter "Assignee") is desirous of acquiring all rights, title, and interests in, to, and under the Inventions and the Patent Properties, and in, to, and under any and all patents that have been or may be obtained for each of the Inventions, together with all rights corresponding thereto;

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NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has agreed to quitclaim, sell, assign, transfer and convey, and by these presents does hereby quitclaim, sell, assign, transfer and convey, unto Assignee any and all past, present and future right, title, and interest in, to and under:

- The Inventions:
- The right and authorization to file any application for any one or more of the Inventions;
- Any and all applications for patent for any of the Inventions that may be or have been filed in any and all countries, including the Patent Properties;
- Any and all patents that may be or have been obtained for any of the Inventions in any and all countries:
- Any reissue, reexamination, extension, renewal, substitution, conversion, confirmation, division, continuation, nonprovisional, provisional, continuation-in-part and the like of any of the foregoing;
- Any application claiming priority to any of the foregoing;
- Any application from which any of the foregoing claims priority; and
- Any past or present right or cause of action arising with respect to any of the foregoing, including
 any right to sue for patent infringement, and any copyright in any embodiment of an Invention
 and any derivative right thereof,

(hereinafter collectively "Invention Rights").

FURTHERMORE,

Assignor hereby acknowledges that any and all Invention Rights related to any Invention already may have been under obligations of assignment already to Assignee and in fact may have already been assigned to Assignee, and that this "Assignment of Invention Rights" (hereinafter "Assignment") is being duly executed for at least the purposes of public recordation with the USPTO of Assignee's rights, title, and interests in the Invention Rights.

Assignor hereby covenants and agrees, and binds any and all heirs, administrators, legal representatives, nominees, and assigns, to assist and cooperate with Assignee, at Assignee's expense, in the preparation and prosecution of any application included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any application or patent included within the Invention Rights and, further, to execute and deliver to Assignee any and all petitions, oaths, assignments, or other papers or instruments that may be requested by Assignee in connection herewith.

Effective with respect to each Invention at least as early as the time of conception of each such Invention, Assignor hereby authorizes and empowers Assignee to invoke and claim for any application or patent included within the Invention Rights the benefit of any rights to which Assignor might be entitled under international law or under the laws of any particular country, and to invoke and claim such rights without further written or oral authorization from Assignor.

Assignor hereby consents and agrees that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular country for any purpose and, more particularly, in proof of the right of Assignee to claim the aforesaid benefit of the right of priority and the right to file for patent.

Assignor covenants and agrees that this Assignment and all the terms thereof shall inure to the benefit of the successors, assigns, legal representatives, and nominees of Assignee, without further written or oral authorization from Assignor.

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Assignor further hereby represents and warrants that Assignor is an original inventor of the Invention; and Assignor has reviewed and understood the contents of the Patent Properties.

Finally, Assignor hereby authorizes and requests the Director of the United States Patent & Trademark Office to issue any patent included within the Invention Rights to Assignee.

This Assignment is governed by and shall be construed in accordance with the laws of the state of North Carolina, USA.

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Assignor				(Signature)
	Service of S	n na sana		

Jeongii SEO

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This the	16	tay of	My	2015	
	·) y (/ (22		(Signature)

Ryeongok KANG

ACCEPTANCE BY ASSIGNEE

Assignee hereby accepts the assignment of the Invention Rights as set forth	above.
This the 14 day of July 2015	
ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE OF KOREA	(Assignee)
By:	(Signature)
LCK CHAN LEE	(Printed Name)
DIRECTOR	(Representative Title)

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