## 503505978 10/01/2015

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHI HOON JUN	09/10/2015
JEHO NA	09/10/2015
DONG YUN JUNG	09/14/2015
SANG CHOON KO	09/10/2015
EUN SOO NAM	09/10/2015
HYUNG SEOK LEE	09/10/2015

#### **RECEIVING PARTY DATA**

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State/Country:	KOREA, REPUBLIC OF
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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14872868

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	KOR-560
NAME OF SUBMITTER:	ROBERT H. BERDO, JR.
SIGNATURE:	/ROBERT H. BERDO, JR./
DATE SIGNED:	10/01/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 036707 FRAME: 0404

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## **Total Attachments: 3**

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PATENT REEL: 036707 FRAME: 0405

Attorney Reference: Client Reference: PR20141614US

## ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Chi Hoon JUN. Jeho NA. Dong Yun JUNG. Sang Choon KO, EUN SOO NAM. Hyung Seok LEE of Republic of Korea hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to

## SEMICONDUCTOR DEVICE

[X] said application be	ng attached hereto;	
I said application ha	ring been filed in the United States Patent and Trademark Office on	
***	as Application Serial No, and was amende	į
on.	(if applicable):	
I The specification of	which was filed under the Patent Cooperation Treaty on	
Serial No	the United States of America being designated.	
AND WHEREAS	Electronics and Telecommunications Research Institute of 161, Gajeong-dong,	
Vuseannanu Daeiec	305-700, Republic of Korea. hereinafter referred to as the assignee or applicant, is	
desirous of acquiring	he entire right, title and interest in and to said application, including any and all divisions an	į
continuations thereof	and in and to said invention and any and all patents which may be granted therefor, including	g
any and all renewals.	eissues and prolongations thereof:	

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to Rabin & Berdo, P.C., 1101-14<sup>th</sup> Street, N.W., Suite 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

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# Continued -Page 2 ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS:	ASSIGNOR (THE I	ASSIGNOR (THE FIRST INVENTOR):	
		JŽ	
Signature:	Signature:	Garan Garan	
Name:	Legal Name:	Chi Hoon JUN	
Address:	Date:	9/10/2015	
WITNESS:	ASSIGNOR (THE :	SECOND INVENTOR):	
Signature:	Signature:	<u> </u>	
Name:	Legal Name:	Jeho NA	
Address:	Date:	9/10/2015	
WITNESS:	ASSIGNOR (THE	THIRD INVENTOR);	
Signature:	Signature:	<del>//</del>	
Name:		Dong Yun JUNG	
Address:		9/15/30/6	
WITNESS:		FOURTH INVENTOR):	
Signature:	Signature:	Sang Choon KO	
Name:	Legal Name:	Sang Choon KO	
Address:	Nasa:	9/10/2015	
WITNESS:	ASSIGNOR (THE I	ASSIGNOR (THE FIFTH INVENTOR):	
Signature:	Signature:	1200/han	
Name:		EUN SOO NAM	
Address:	Date: <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>		

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## Continued -Page 2 ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS:	ASSIGNOR (THE SIXTH INVENTOR):	
Signature:	Signature:	4
Name:	Legal Name:	Hyung Seak LEE
8 defense:	Date	9/10/248

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**RECORDED: 10/01/2015**