

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4483089

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DONGGUK LIM	05/29/2017
JINYOUNG CHUN	05/29/2017
WOOKBONG LEE	05/30/2017
JEONGKI KIM	06/07/2017
HANGYU CHO	05/29/2017
JINMIN KIM	05/29/2017
RECEIVING PARTY DATA	
Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUNI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15540517
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	2101-71062
NAME OF SUBMITTER:	JUSTIN D. LEE
SIGNATURE:	/Justin D. Lee/
DATE SIGNED:	06/28/2017

Total Attachments: 4

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ASSIGNMENT(1-8) *Insert Name(s) of
Inventor(s)*

(1) LIM, Dongguk

(4) KIM, Jeongki

(2) CHUN, Jinyoung

(5) CHO, Hangyu

(3) LEE, Wookbong

(6) KIM, Jinmin

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) *Insert name of Assignee*

(9) LG Electronics Inc.

(10) *Insert state of Incorporation
of Assignee*

(10) Republic of Korea

(11) *Insert address of Assignee*

(11) 128, Yeoui-daero Yeongdeungpo-gu Seoul 07336 Republic of Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) *Insert identification of
Invention, such as Title,
Case Number or Foreign
Application Number*(12) **METHODS AND APPARATUS FOR TRANSMITTING/RECEIVING HE-SIG B**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

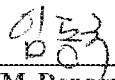
2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

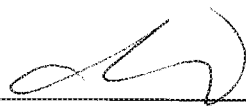
3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.


5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

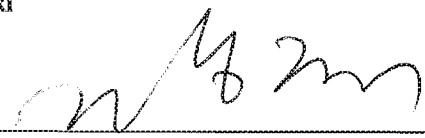
The undersigned hereby appoints **the Attorneys associated with Customer No. 35884** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.


Date: May 29, 2017 Signature of Inventor (1) 
LIM, Dongguk

Date: 2017. 5. 29 Signature of Inventor (2) 
CHUN, Jinyoung

Date: _____ Signature of Inventor (3) _____
LEE, Wookbong

Date: 2017. 6. 07 Signature of Inventor (4) 
KIM, Jeongki

Date: 2017. 5. 29 Signature of Inventor (5) 
CHO, Hangyu

Date: 2017. 5. 29 Signature of Inventor (6) 
KIM, Jinmin

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Inventor(s)***(1) LIM, Dongguk****(4) KIM, Jeongki****(2) CHUN, Jinyoung****(5) CHO, Hangyu****(3) LEE, Wookbong****(6) KIM, Jinmin**

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of Assignee***(10) Republic of Korea***(11) Insert address of Assignee***(11) 128, Yeoui-daero Yeongdeungpo-gu Seoul 07336 Republic of Korea**

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

*(12) Insert identification of
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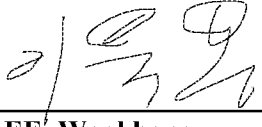
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CHUN, Jinyoung

Date: 05/30/2017 Signature of Inventor (3)  _____
LEE, Wookbong

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KIM, Jeongki

Date: _____ Signature of Inventor (5) _____
CHO, Hangyu

Date: _____ Signature of Inventor (6) _____
KIM, Jinmin