

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6561059

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the LISTING OF THE INVENTORS previously recorded on Reel 047565 Frame 0662. Assignor(s) hereby confirms the INVENTOR BONGHOE KIM WAS INADVERTENTLY OMITTED FROM THE ORIGINAL ASSIGNMENT FILED.
CONVEYING PARTY DATA	
Name	Execution Date
HYUNSOO KO	12/22/2016
SEOKMIN SHIN	12/22/2016
BYOUNGHOON KIM	12/22/2016
YUNJUNG YI	12/22/2016
BONGHOE KIM	12/22/2016
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:	16198278
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ATTORNEY DOCKET NUMBER:	2101-70737C1
NAME OF SUBMITTER:	MICHAEL E. MONACO
SIGNATURE:	/Michael Monaco/
DATE SIGNED:	02/19/2021

Total Attachments: 6

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**United States Patent and Trademark Office**

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>HYUNSOO KO</td> <td>12/22/2016</td> </tr> <tr> <td>SEOKMIN SHIN</td> <td>12/22/2016</td> </tr> <tr> <td>BYOUNGHOON KIM</td> <td>12/22/2016</td> </tr> <tr> <td>YUNJUNG YI</td> <td>12/22/2016</td> </tr> </tbody> </table>		Name	Execution Date	HYUNSOO KO	12/22/2016	SEOKMIN SHIN	12/22/2016	BYOUNGHOON KIM	12/22/2016	YUNJUNG YI	12/22/2016
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PATENT**REEL: 055344 FRAME: 0434**

CORRESPONDENCE DATA**Fax Number:** (213)623-2211**Phone:** 213-623-2221**Email:** PATENT@LHLAW.COM*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.***Correspondent Name:** LEE, HONG, DEGERMAN, KANG & WAIMEY**Address Line 1:** 660 S. FIGUEROA STREET**Address Line 2:** SUITE 2300**Address Line 4:** LOS ANGELES, CALIFORNIA 90017**ATTORNEY DOCKET NUMBER:** 2101-70737C1**NAME OF SUBMITTER:** MICHAEL E. MONACO**Signature:** /Michael Monaco/**Date:** 11/21/2018**Total Attachments: 2**

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RECEIPT INFORMATION**EPAS ID:** PAT5249111**Receipt Date:** 11/21/2018[Return to home page](#)| [HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

ASSIGNMENT

- | | | |
|--|--------------------|-----------------|
| (1-8) <i>Insert Name(s) of Inventor(s)</i> | (1) Hyunsoo KO | (5) Bonghoe KIM |
| | (2) Seokmin SHIN | (6) |
| | (3) Byounghoon KIM | (7) |
| | (4) Yunjung YI | (8) |

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) <i>Insert name of Assignee</i> | (9) LG Electronics Inc. |
| (10) <i>Insert state of Incorporation of Assignee</i> | (10) Republic of Korea |
| (11) <i>Insert address of Assignee</i> | (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) <i>Insert identification of Invention, such as Title, Case Number or Foreign Application Number</i> | (12) METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING NARROWBAND SYNCHRONIZATION SIGNALS |

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.

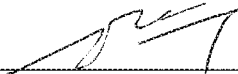
4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

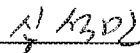
5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby 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.


PATENT

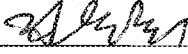
REEL: 055344 FRAME: 0436 1/21

Date: 2016.12.22 Signature of Inventor (1) 

Date: 2016.12.22 Signature of Inventor (2) 

Date: 12/22/2016 Signature of Inventor (3) 

Date: 2016.12.22 Signature of Inventor (4) 

Date: 2016.12.22 Signature of Inventor (5) 



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DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 22, 2018

PTAS

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505202343

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 11/21/2018

REEL/FRAME: 047565/0662
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 2101-70737C1

ASSIGNOR:
KO, HYUNSOO

DOC DATE: 12/22/2016

ASSIGNOR:
SHIN, SEOKMIN

DOC DATE: 12/22/2016

ASSIGNOR:
KIM, BYOUNGHOON

DOC DATE: 12/22/2016

ASSIGNOR:
YI, YUNJUNG
KIM, BONGHOE

DOC DATE: 12/22/2016
12/22/2016

ASSIGNEE:
LG ELECTRONICS INC.
128, YEQUI-DAERO, YEONGDEUNGPO-GU
SEOUL, KOREA, REPUBLIC OF 07336

APPLICATION NUMBER: 16198278

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING NARROWBAND SYNCHRONIZATION SIGNALS

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION