

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6077961

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                                 |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                     |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                          |
| Suhwan LIM                                                                                                                                                                                      | 12/28/2018                                     |
| Yoonoh YANG                                                                                                                                                                                     | 01/02/2019                                     |
| Sangwook LEE                                                                                                                                                                                    | 01/02/2019                                     |
| Jaehyuk JANG                                                                                                                                                                                    | 12/28/2018                                     |
| Joohee LEE                                                                                                                                                                                      | 01/02/2019                                     |
| Manyoung JUNG                                                                                                                                                                                   | 01/02/2019                                     |
| Jinyup HWANG                                                                                                                                                                                    | 12/28/2018                                     |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                |
| <b>Name:</b>                                                                                                                                                                                    | LG ELECTRONICS INC. / S & IP PATENT & LAW FIRM |
| <b>Street Address:</b>                                                                                                                                                                          | 128, YEOUI-DAERO, YEONGDEUNGPO-GU              |
| <b>City:</b>                                                                                                                                                                                    | SEOUL                                          |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF                             |
| <b>Postal Code:</b>                                                                                                                                                                             | 07336                                          |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                                  |
| <b>Application Number:</b>                                                                                                                                                                      | 16320181                                       |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                |
| <b>Fax Number:</b>                                                                                                                                                                              | (877)769-7945                                  |
| <i>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.</i> |                                                |
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| <b>Email:</b>                                                                                                                                                                                   | andersen@fr.com, apsi@fr.com                   |
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| <b>Address Line 2:</b>                                                                                                                                                                          | P.O.BOX 1022                                   |
| <b>Address Line 4:</b>                                                                                                                                                                          | MINNEAPOLIS, MINNESOTA 55440-1022              |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 21613-0213US1                                  |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | MELISSA ANDERSEN                               |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Melissa Andersen/                             |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 04/24/2020                                     |

PATENT

**Total Attachments: 5**

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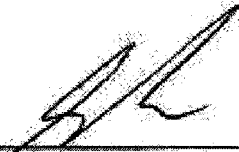
For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, LIM, Suhwan, YANG, Yoonoh, LEE, Sangwook, JANG, Jaehyuk, LEE, Joohee, JUNG, Manyoung and HWANG, Jinyup, each individually assign to LG ELECTRONICS INC., a corporation formed under the laws of Republic of Korea, and having a principal place of business at 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "METHOD FOR TRANSMITTING AND RECEIVING SIGNAL BY TERMINAL SUPPORTING DUAL-CONNECTIVITY BETWEEN E-UTRA AND NR AND TERMINAL PERFORMING THE METHOD" and was filed in the United States Patent and Trademark Office on, as application PCT/KR2018/010063 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

  
\_\_\_\_\_  
LIM, Suhwan

Date: 28 / Dec. / 2018

Witnessed by:   
Signature: \_\_\_\_\_

Date: 03, Jan. 2019

Print Name: Hyorim, PARK

  
Signature: \_\_\_\_\_

Date: 03, Jan, 2019

Print Name: Eunhye, JO

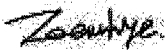
  
\_\_\_\_\_  
YANG, Yoonoh

Date: 02, Jan. 2019

Witnessed by:   
Signature: \_\_\_\_\_

Date: 03, Jan. 2019

Print Name: Hyorim, PARK

  
Signature: \_\_\_\_\_

Date: 03. Jan. 2019

Print Name: Eunhye, JO

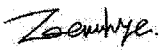
  
\_\_\_\_\_  
LEE, Sangwook

Date: 02 / Jan / 2019.

Witnessed by: \_\_\_\_\_  
Signature: 

Date: 02, Jan, 2019

Print Name: Hyorim, PARK

  
Signature: \_\_\_\_\_

Date: 03, Jan. 2019

Print Name: Eunhye, JO

  
\_\_\_\_\_  
JANG, Jaehyuk

Date: 28 Dec 2018

Witnessed by: \_\_\_\_\_  
Signature: 

Date: 03, Jan. 2019

Print Name: Hyorim, PARK

  
Signature: \_\_\_\_\_

Date: 03, Jan. 2019

Print Name: Eunhye, JO

Lee Joohee Date: Jan 2, 2019  
LEE, Joohee

Witnessed by: Hyorim Date: 03. Jan. 2019  
Signature: \_\_\_\_\_

Print Name: Hyorim, PARK

Eunhye Date: 03. Jan. 2019  
Signature: \_\_\_\_\_

Print Name: Eunhye, JO

Jung Manyoung Date: 02/Jan/2019  
JUNG, Manyoung

Witnessed by: Hyorim Date: 03. Jan. 2019  
Signature: \_\_\_\_\_

Print Name: Hyorim, PARK

Eunhye Date: 03. Jan. 2019  
Signature: \_\_\_\_\_

Print Name: Eunhye, JO

  
\_\_\_\_\_  
HWANG, Jinyup

Date: 28 / Dec. / 2018

Witnessed by:   
Signature: \_\_\_\_\_

Date: 03. Jan. 2019

Print Name: Hyorim PARK

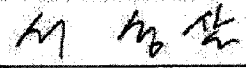
  
Signature: \_\_\_\_\_

Date: 03. Jan. 2019

Print Name: Eunhye JO

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: LG ELECTRONICS INC.

Signature:  \_\_\_\_\_

Date: 04. Jan. 2019

Name: Sungsam Suh

Title: Patent Manager