

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Seonwook KIM	09/03/2018
Suckchel YANG	09/03/2018
Joonkui AHN	09/03/2018
Changhwan PARK	09/03/2018
Byounghoon KIM	09/03/2018
Jaehyung KIM	09/03/2018
RECEIVING PARTY DATA	
Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16065570
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ATTORNEY DOCKET NUMBER:	19819-0884US1
NAME OF SUBMITTER:	AMANDA PETERSEN
SIGNATURE:	/Amanda Petersen/
DATE SIGNED:	12/12/2018

Total Attachments: 2

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, **Seonwook KIM; Suckchel YANG; Joonkui AHN; Changhwan PARK; Byoungcheon KIM; Jaehyun KIM**, 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 AND DEVICE FOR TRANSMITTING AND RECEIVING PHYSICAL UPLINK CONTROL CHANNEL BETWEEN USER EQUIPMENT AND BASE STATION IN WIRELESS COMMUNICATION SYSTEM"**, and was filed in the United States Patent and Trademark Office on 16/065,570, as application June 22, 2018 (the "Application"). We authorize the insertion of the filing date and application number above.


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.


Seonwook KIM

Date: 2018.9.3


Suckchel YANG

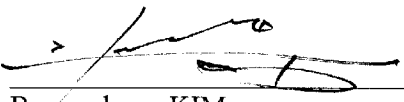
Date: 2018.9.3


Joonku AHN

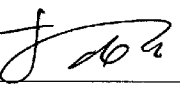
Date: 2018.9.3


Changhwan PARK

Date: 2018.09.03


Byounghoon KIM

Date: 2018.9.3


Jaehyung KIM

Date: 2018.09.03

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: LG ELECTRONICS INC.

Signature: _____ Date: _____

Name: _____

Title: _____

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