506034408 04/28/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Seonwook KIM	11/21/2018
Jiwon KANG	11/21/2018
Kijun KIM	11/21/2018
Hanjun PARK	11/20/2018
Haewook PARK	11/21/2018
Joonkui AHN	11/21/2018
Suck Chel YANG	11/21/2018

RECEIVING PARTY DATA

Name:	LG Electronics Inc.
Street Address:	128, Yeoui-daero, Yeongdeungpo-gu Seoul 07336
Internal Address:	Republic of Korea
City:	Seoul
State/Country:	Republic of Korea
Postal Code:	07336

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16245929

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

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ATTORNEY DOCKET NUMBER: 21613-0209001

NAME OF SUBMITTER: LAURA MURPHY

SIGNATURE: /Laura Murphy/

506034408 PATENT REEL: 052510 FRAME: 0511

DATE SIGNED:	04/28/2020
Total Attachments: 5	
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PATENT REEL: 052510 FRAME: 0512

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, KIM, Seonwook, KANG, Jiwon, KIM, Kijun, PARK, Hanjun, PARK, Haewook, AHN, Joonkui and YANG, Suckchel, each individually assigns 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 invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "<a href="METHOD FOR TRANSMITTING UPLINK CONTROL INFORMATION OF TERMINAL IN WIRELESS COMMUNICATION SYSTEM AND TERMINAL USING THE METHOD," and was filed in the United States Patent and Trademark Office on, as application PCT/KR2018/013991 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (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 and under every treaty or convention, (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.

Assignment Page 1 of 5

PATENT REEL: 052510 FRAME: 0513

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.

DMG	Date: 2018/11/21
KIM, Seonwook	
Witnessed by: Signature:	2018 12 11
Signature:	Date:
Print Name: <u>Hyorim, PARK</u>	
Zembye.	2018.12.11
Signature:	Date:
Print Name: Eunhye, JO	
KANG, Jiwon	Date: == 8/11/2
Witnessed by: Myorm	
Signature:	Date:
Print Name: <u>Hyorim, PARK</u>	
Zoewnye.	2018 12 11
Signature:	Date:
Print Name: Eunhye, JO	

Assignment Page 2 of 5

Print Name: Eunhye, JO

スペット KIM, Kijun	Date: 2	018/11/21
Witnessed by: Myrww Signature:	Date: _	2018.12.11
Print Name: <u>Hyorim, PARK</u>		
Signature:	Date: _	2018.12.11
Print Name: <u>Eunhye, JO</u>		
PARK, Hanjun Witnessed by:	Date:	2018.11.20
Witnessed by: Wywww Signature:	Date: _	2018.12.11
Print Name: <u>Hyorim, PARK</u>		
Signature:	Date: _	2018.12.11

Assignment Page 3 of 5

Print Name: Eunhye, JO

PARK, Haewook	Date: 2018, (1, 2)
Witnessed by Myrrin	
Signature:	Date: 2018.12.11
Print Name: <u>Hyorim, PARK</u>	
Zoontye.	2018 12 11
Signature:	Date: 2018.12.11
Print Name: Eunhye, JO	Date: 20/8, /1. 2
AHN, Joonkui Witnessed by:	
Signature: Print Name: Hyorim, PARK	Date:2018.12.11
Signature:	Date:2018.12.11

Assignment Page 4 of 5

YANG, Suckchel		2018, 11.24
Witnessed by: Mywww Signature:	Date: _	2018.12.11
Print Name: <u>Hyorim, PARK</u>		
Zoewye. Signature:	Date:	2018.12.11
Print Name: <u>Eunhye, JO</u>		
Assignee hereby acknowledges and ac	cepts the foreg	oing assignment.
gnee: LG ELECTRONICS INC.		
ature: 为说水		Date: 20/€ /2./1

Assignment Page 5 of 5

PATENT REEL: 052510 FRAME: 0517

RECORDED: 04/28/2020