505678299 09/18/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5725107

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HANBYUL SEO	07/29/2019
CHANGHWAN PARK	07/30/2019
SUKHYON YOON	08/05/2019
HYUKJIN CHAE	07/31/2019
JIWON KANG	07/31/2019
KIJUN KIM	07/29/2019
BYOUNGHOON KIM	07/29/2019
JOONKUI AHN	07/29/2019
SANGRIM LEE	07/30/2019

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	128 YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16495240

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 202-496-7500

Email: mlapto@dentons.com
Correspondent Name: DENTONS US LLP
Address Line 1: 1900 K. STREET, N.W.
Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	8737.02421.US00	
NAME OF SUBMITTER:	MARK R. KRESLOFF	
SIGNATURE:	/Mark R. Kresloff/	

PATENT REEL: 050416 FRAME: 0428

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DATE SIGNED:	09/18/2019
Total Attachments: 6	
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PATENT REEL: 050416 FRAME: 0429

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SEO, Hanbyul; PARK, Changhwan; YOON, Sukhyon; CHAE, Hyukjin; KANG, Jiwon; KIM, Kijun; KIM, Byounghoon; AHN, Joonkui and LEE, Sangrim, 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 MEASURING DISTANCE IN WIRELESS COMMUNICATION SYSTEM." and was filed in the United States Patent and Trademark Office on_______, as application ______ (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

Assignment Page 1 of 3

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.

m	Date: 7/29/2019
SEO, Hanbyul	
PARK, Changhwan	Date: 1/30 / 10/9
YOON, Sukhyon	Date:
CHAE, Hyukjin	Date:

Assignment Page 2 of 3

18ASL332PC01US01: KANG, Jiwon	Date: 219/7/31
KIM, Kijun	Date: 20/P/1/2P
KIM, Byounghoon	Date:
AHN, Joonkui	Date: 2019, 1, 29
Sague Con LEE, Sangrim	Date: 2019, 7.40

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SEO, Hanbyul; PARK, Changhwan; YOON, Sukhyon; CHAE, Hyukjin; KANG, Jiwon; KIM, Kijun; KIM, Byounghoon; AHN, Joonkui and LEE, Sangrim, 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 MEASURING DISTANCE IN WIRELESS COMMUNICATION SYSTEM," and was filed in the United States Patent and Trademark Office on ______, as application ______ (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.

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Assignment Page 1 of 3

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.

SEO, Hanbyul	Date:
PARK, Changhwan	Date:
	Deter
YOON, Sukhyon	Date:

Date: $\frac{17/31/2019}{}$

18ASL332PC01US01:	
KANG, Jiwon	Date:
KIM, Kijun	Date:
KIM, Byounghoon	Date:
AHN, Joonkui	Date:
LEE, Sangrim	Date:

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PATENT REEL: 050416 FRAME: 0435