506034274 04/28/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6080989

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Seungmin LEE	07/20/2018
Hyunho LEE	07/20/2018
Kyuhwan KWAK	07/20/2018

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:	16525774

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.

Phone: +1 (202) 626-6431

Email: andersen@fr.com, apsi@fr.com

Correspondent Name: WON S. YOON

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	21613-0165002	
NAME OF SUBMITTER:	MELISSA ANDERSEN	
SIGNATURE:	/Melissa Andersen/	
DATE SIGNED:	04/28/2020	

Total Attachments: 3

source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif

PATENT 506034274 REEL: 052509 FRAME: 0881

source=Executed_Assignment#page3.tif

PATENT REEL: 052509 FRAME: 0882

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>SEUNGMIN LEE</u>, <u>HYUNHO LEE</u> and <u>KYUHWAN KWAK</u>, each individually assign to <u>LG ELECTRONICS INC.</u>, a corporation formed under the laws of <u>Republic of Korea</u>, and having a principal place of business at <u>128</u>, <u>Yeoui-daero</u>, <u>Yeongdeungpo-gu</u>, <u>Seoul 07336 Republic of Korea</u>, 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 "<u>DEVICE TO DEVICE (D2D) OPERATING METHOD OF UE IN WIRELESS COMMUNICATION SYSTEM AND UE USING METHOD</u>," and was filed in the United States Patent and Trademark Office on, as application <u>PCT/KR2018/005246</u> (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.

Seungmin LEE	Date: 1/20 /20/8
Scuighin LEE	
Witnessed by: Myomm	
Signature:	Date: 2018.8.28
Print Name: Hyorim PARK	
Signature:	Date: 2018.8.28
Print Name: <u>Funhye</u> JO	

Hyunho LEE

Witnessed by:

Signature:

Print Name: Hyorim PARK Date: 2018.8.28

Date: 2018.8.28 Signature:

Print Name: _ Eunhye JO

Keyahwan KWAK	Date: 20(8. on.20
Nyaiwaii KWAK	
Witnessed by: Myrmm	
Signature:	Date: 2018. 8.28
Print Name: Hyarim PARK	
Signature:	Date: 2018.8.28
Print Name: Eunhye JO	

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: LG ELECTRONICS INC.

Signature: 7 5 8 Date: 68/30/2018

Name: SANG BONG KTM

Title: Manager.

Assignment Page 3 of 3

PATENT REEL: 052509 FRAME: 0885

RECORDED: 04/28/2020