505394249 03/26/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY DA	АТА		
		Name	Execution Date
Bohyun NAM			05/08/2017
Jungbae HWANG			05/08/2017
Jinju KIM			05/08/2017
Sehwan BAE			05/08/2017
RECEIVING PARTY DA	ТА		
Name:	LG ELECTRONICS INC.		
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU		
City:	SEOUL		
State/Country:	KOREA, REPUBLIC OF		
Postal Code:	07336		
Property Type Application Number:	1	Number 16360571	
Application Number: CORRESPONDENCE DA Fax Number:	ATA ((877)769-7945	
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Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED:	ATA (e sent to provided, f E F F MBER:	16360571 (877)769-7945 the e-mail address first; if that is unsuc ; if that is unsuccessful, it will be sent vi +1 (858) 678-4364 stadnick@fr.com, apsi@fr.com DANIEL Y. LEE FISH & RICHARDSON P.C. P.O.BOX 1022 MINNEAPOLIS, MINNESOTA 55440-1022 20519-0327002 SHANNON STADNICK /Shannon Stadnick/	ia US Mail.

Attorney Docket No.: 20519-0327001 / 17DSG011US01/P017-00081US

ASSIGNMENT

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.

	Date:
Namhee KIM	
Bohyun NAM	Date: 2017.5.8
Jungbae HWANG	Date:
Jinju KIM	Date: 2017 .5.8
Sehwan BAE	Date: 2017. 5.8

Assignment Page 2 of 2

PATENT REEL: 048702 FRAME: 0306

Attorney Docket No.: 20519-0327001 / 17DSG011US01/PO17-00081US

Date:
Date:
Date: 2011, 05.08
Date:

Date:

Sehwan BAE

Assignment Page 2 of 2

PATENT RECORDED: 03/26/2019 RESULTION RESULT REFINED AND REFL: 048702 FRAME: 0307