#### 505554294 07/02/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
KYUNGHWAN KIM	05/31/2019
JEONGKYO SEO	06/20/2019
JINHO YOUN	06/25/2019
SEONGHUN LEE	05/30/2019

## **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:	16475281

## **CORRESPONDENCE DATA**

Fax Number: (703)205-8050

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: 703-205-8000

Email: tuyen.y.ly@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LLP **Correspondent Name:** 8110 GATEHOUSE ROAD, SUITE 100E Address Line 1:

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	0465-6990PUS1	
NAME OF SUBMITTER:	TUYEN LY	
SIGNATURE:	/tuyen ly/	
DATE SIGNED:	07/02/2019	

## **Total Attachments: 6**

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**PATENT** REEL: 049652 FRAME: 0207 505554294

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> PATENT REEL: 049652 FRAME: 0208

Attorney Docket No: 0465-6990PUS1

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## ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, KIM, Kyunghwan; SEO, Jeongkyo; YOUN, Jinho and LEE, Seonghun, each individually assign to LG Electronics Inc., a corporation formed under the laws 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 "WIRELESS POWER TRANSMISSION APPARATUS AND METHOD", and was filed in the United States Patent and Trademark Office on 07/01/2019 \_\_\_\_, as application \_\_16/475,281 \_\_\_\_\_ (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.

Assignment Page 1 of 2

16FPEC004PC01US01\_syc

KIM, Kyunghwan

SEO, Jeongkyo

YOUN, Jinho

LEE, Seonghun

Date: 3//5/ 2019

Date:

Date:

Date: 30/5/2019

Attorney Docket No: 0465-6990PUS1

## **ASSIGNMENT**

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, KIM, Kyunghwan; SEO, Jeongkyo; YOUN, Jinho and LEE, Seonghun, each individually assign to LG Electronics Inc., a corporation formed under the laws 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 "WIRELESS POWER TRANSMISSION APPARATUS AND METHOD", and was filed in the United States Patent and Trademark Office on 07/01/2019 \_\_\_\_\_, as application \_\_16/475,281 \_\_\_\_\_\_ (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.

Assignment Page 1 of 2

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KIM, Kyunghwan	Date:
Jeonglyo SEO M SEO, Jeongkyo	Date: 20/06/ טעב /9
YOUN, Jinho	Date:
LEE, Seonghun	Date:

Assignment Page 2 of 2

PATENT REEL: 049652 FRAME: 0212

## <u>ASSIGNMENT</u>

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <a href="KIM. Kyunghwan: SEO, Jeongkyo: YOUN, Jinho">KIM, Kyunghwan: SEO, Jeongkyo: YOUN, Jinho</a> and <a href="LEE, Seonghun">LEE, Seonghun</a>, each individually assign to <a href="LG Electronics Inc.">LG Electronics Inc.</a>, a corporation formed under the laws of <a href="Korea">Korea</a> and having a principal place of business at <a href="128">128</a>, <a href="Yeoui-daero">Yeongdeungpo-gu</a>, <a href="Seoul 07336 Republic of Korea">Seoul 07336 Republic of Korea</a>, 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 "<a href="WIRELESS POWER TRANSMISSION">WIRELESS POWER TRANSMISSION</a>
<a href="APPARATUS AND METHOD">APPARATUS AND METHOD</a>, and was filed in the United States Patent and Trademark Office on <a href="07/01/2019">07/01/2019</a>, as application <a href="16/475,281">16/475,281</a> (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.

Assignment Page 1 of 2

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**RECORDED: 07/02/2019** 

KIM, Kyunghwan	Date:
SEO, Jeongkyo	Date:
YOUN, Jinho	Date: <u>C6.25.79</u>
LEE, Seonghun	Date:

Assignment Page 2 of 2

PATENT REEL: 049652 FRAME: 0214