506005450 04/08/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNGSIK KIM	03/31/2020

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:	16754325

CORRESPONDENCE DATA

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Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP.
Address Line 1: 8110 GATEHOUSE ROAD, SUITE 100E

Address Line 4: FALLS CHURCH, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER:	6774-0239PUS1	
NAME OF SUBMITTER:	PHILLIP R. TASHJIAN	
SIGNATURE:	/Phillip R. Tashjian/	
DATE SIGNED:	04/08/2020	

Total Attachments: 2

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PATENT 506005450 REEL: 052347 FRAME: 0629

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Jungsik KIM, 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, Yeouidaero, 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 "METHOD OF TRACKING USER POSITION USING CROWD ROBOT, TAG DEVICE, AND ROBOT IMPLEMENTING THEREOF," and was or will be filed in the United States Patent and Trademark Office on April 7, 2020, as application 16/754,325 (the "Application"). We authorize the insertion of the filing date and application number above.

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.

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;

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Attorney Docket No. 6774-0239PUS1

titles, and interests assigned by this Assignment. Witnessed by: Signature: Jieun JANG Print Name: March 31, 2020 7600 Signature: Date: Hyojin KIM Print Name: The Assignee hereby acknowledges and accepts the foregoing assignment. Assignee: LG ELECTRONICS INC. Signature: _____ Date: _____

and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights,

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RECORDED: 04/08/2020