504367035 05/15/2017

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Amir SAID	04/28/2017
Yung-Hsuan CHAO	05/01/2017
Hilmi Enes EGILMEZ	05/08/2017

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:	15520968

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: (202) 626-6431
Email: apsi@fr.com
Correspondent Name: WON S. YOON

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Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 20211-0182US1

NAME OF SUBMITTER: AMANDA PETERSEN

SIGNATURE: /Amanda Petersen/

DATE SIGNED: 05/15/2017

Total Attachments: 2

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PATENT 504367035 REEL: 042378 FRAME: 0128

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Amir SAID, Yung-Hsuan CHAO, and Hilmi Enes EGILMEZ, 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, Scoul 07336 Republic of Korea, and its successors, transferces, 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 METHOD AND APPARATUS FOR PERFORMING GRAPH-BASED PREDICTION USING OPTIMAZATION FUNCTION," and was filed in the United States Patent and Trademark Office on April 21, 2017 as application 15/520,968 (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.

PATENT REEL: 042378 FRAME: 0129

Attorney Docket No.: 20211-0182US1 / OPP-2015-0599-US;15FASL/149US02

Amu-8AUD	Date: 4/28/2017	
Yung-Hsuan CHAO	Date: 05/01/2019	
Hilmi Enes EGILMEZ	Date: May 8, 2017	
The Assignee hereby acknowledges and accepts the foregoing assignment.		
Assignce: LG ELECTRONICS INC.		
Signature:	Date:	
Name:		
Title:		

Assignment Page 2 of 2

PATENT REEL: 042378 FRAME: 0130

RECORDED: 05/15/2017

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