PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AMIT KALHAN	09/16/2014
HENRY CHANG	09/16/2014

RECEIVING PARTY DATA

Name:	KYOCERA CORPORATION	
Street Address:	6 TAKEDA TOBADONO-CHO, FUSHIMI-KU	
City:	КУОТО	
State/Country:	JAPAN	
Postal Code:	612-8501	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16228251

CORRESPONDENCE DATA

Fax Number: (858)292-1614

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: 858-882-2000

Email: KII-USPatents@kyocera.com

Correspondent Name: KYOCERA INTERNATIONAL INC. INTELLECTUAL

Address Line 1: 8611 BALBOA AVE

Address Line 4: SAN DIEGO, CALIFORNIA 92123

ATTORNEY DOCKET NUMBER:	TUC1 00255 US
NAME OF SUBMITTER:	STEPHANIE TINSLEY
SIGNATURE:	/stephanie tinsley/
DATE SIGNED:	12/20/2018

Total Attachments: 2

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PATENT 505248467 REEL: 047835 FRAME: 0958

Attorney Docket No.: TPRO 00255

ASSIGNMENT

For valuable consideration, we, Amit KALHAN of San Diego, CA, and Henry CHANG of San Diego, CA, hereby assign to KYOCERA CORPORATION, a Japanese corporation having a place of business at 6 Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto, 612-8501, Japan; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States patent signed by us, entitled NETWORK-ASSISTED D2D TRANSMIT UE REFERENCE SIGNAL, having attorney docket number TPRO 00255. filed <u>August 8, 2014</u>, and having a U.S. application number 62/034,951, yet to be assigned, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention of the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 9 (6/19	anithallan
	Amit KALHAN
Date:	Henry CHANG

PATENT REEL: 047835 FRAME: 0959

Attorney Docket No.: TPRO 00255

ASSIGNMENT

For valuable consideration, we, Amit KALHAN of San Diego, CA, and Henry CHANG of San Diego, CA, hereby assign to KYOCERA CORPORATION, a Japanese corporation having a place of business at 6 Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto, 612-8501, Japan; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States patent signed by us, entitled NETWORK-ASSISTED D2D TRANSMIT UE REFERENCE SIGNAL, having attorney docket number TPRO 00255, filed August 8, 2014, and having a U.S. application number 62/034,951, yet to be assigned, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention of the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date:	
	Amit KALHAN
Date: <u>9//6//4</u>	Henry CHANG

PATENT REEL: 047835 FRAME: 0960

RECORDED: 12/20/2018