

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOYDEEP ACHARYA	12/21/2015
SALAM AKOUM	12/21/2015
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14983201
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NAME OF SUBMITTER:	DEBRA VILLANUEVA
SIGNATURE:	/DEBRA VILLANUEVA/
DATE SIGNED:	01/04/2016
Total Attachments: 1	
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Assignment

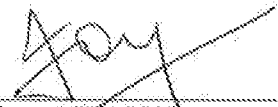
Whereas, We, Joydeep Acharya of Sunnyvale, CA, and Salam Akoum of Palo Alto, CA, hereinafter called assignor, have invented certain improvements in PREDICTIVE ANALYTICS FOR LOCATION ESTIMATION OF IDLE UEs IN A CELLULAR NETWORK and executed an application for Letters Patent of the United States of America therefor; and

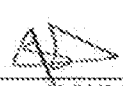
Whereas, HITACHI, LTD., 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280 Japan, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignor, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and We request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and We hereby agree that the assignee may apply for foreign Letters Patent on the invention and We will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

We hereby authorize and request our attorneys PROCOPIO, CORY, HARGREAVES & SAVITCH LLP of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in parentheses (Application number 14/983,201 and Confirmation number 3540, filed December 29, 2015) the application number, confirmation number and filing date of said application when known.

Date: 12/21/2015 | 
s/ Joydeep ACHARYA

Date: 12/21/2015 | 
s/ Salam AKOUM

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)