PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ERWIN HIMAWAN	10/27/2014
ANTHONY R. METKE	10/28/2014
GEORGE POPOVICH	10/23/2014
SHANTHI E THOMAS	10/27/2014

RECEIVING PARTY DATA

Name:	Motorola Solutions, Inc.
Street Address:	1303 E. Algonquin Road
Internal Address:	Law Department, Intellectual Property
City:	Schaumburg
State/Country:	ILLINOIS
Postal Code:	60196

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14447257

CORRESPONDENCE DATA

Fax Number: (847)576-3750

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: 847-576-2932

Email: USAdocketing@motorolasolutions.com

Correspondent Name: MOTOROLA SOLUTIONS, INC. Address Line 1: 1301 E. ALGONQUIN ROAD

Address Line 2: IL02-5TH FLOOR

Address Line 4: SCHAUMBURG, ILLINOIS 60196

ATTORNEY DOCKET NUMBER:	CM16466
NAME OF SUBMITTER:	VERNICE FREEBOURNE
SIGNATURE:	/Vernice Freebourne/
DATE SIGNED:	02/18/2015

Total Attachments: 5

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PATENT REEL: 034976 FRAME: 0829 source=CM16466_USA_EXECUTED_ASSIGNMENT#page1.tif source=CM16466_USA_EXECUTED_ASSIGNMENT#page2.tif source=CM16466_USA_EXECUTED_ASSIGNMENT#page3.tif source=CM16466_USA_EXECUTED_ASSIGNMENT#page4.tif source=CM16466_USA_EXECUTED_ASSIGNMENT#page5.tif

> PATENT REEL: 034976 FRAME: 0830

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, ERWIN HIMAWAN, CHICAGO, IL; ANTHONY R. METKE, NAPERVILLE, IL; GEORGE POPOVICH, PALATINE, IL AND SHANTHI E. THOMAS, HOFFMAN ESTATES, IL have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA SOLUTIONS, INC., a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in APPARATUS AND METHOD FOR SHARING A HARDWARE SECURITY MODULE INTERFACE IN A COLLABORATIVE NETWORK (Docket No. CM16466), U.S. Application No. 14/447.257; Filing Date: July 30, 2014, described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any nonprovisional, division, extension, continuation, reexamination or reissue thereof.

We hereby also sell, assign and transfer unto MOTOROLA SOLUTIONS, INC., the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefore in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize MOTOROLA SOLUTIONS, INC. to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filling date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation, reexamination or reissue to MOTOROLA SOLUTIONS, INC., for the sole use and benefit of MOTOROLA SOLUTIONS, INC., its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent

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We agree that, when requested, we will, without charge to MOTOROLA SOLUTIONS, INC., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in MOTOROLA SOLUTIONS, INC., its successors, assigns and legal representatives or nominees.

We covenant with MOTOROLA SOLUTIONS, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

2/2	DATE:	W (27/2014
ERWIN HIMAWAN	DAIL	

STATE OF IL)
COUNTY OF (M))ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that ERWIN HIMAWAN, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

My commission expires:

SHEILA P., MANNERINO
"OFFICIAL SEAL."
Hotary Public, State of Illinois
My Commission Expires
April 08, 2017

Notary Public Signature

Printed Name of Notary Public

"OFFICIAL SEAL"
Notary Public, State of Illinois
My Commission Expires
April 08, 2017

May (1) GEORGE POPOVICH	DATE: 10/23/14
STATE OF IL ()ss	
certify that GEORGE POPOVICH, whose n	person and acknowledged that they signed, r free and voluntary act and deed for the
My commission expires: SHEILA R. MANNERINO "OFFICIAL SEAL" Notary Public, State of Illinois My Commission Expires April 08, 2017	Notary Public Signature HEILA K. MANNERINO Printed Name of Notary Public

Shanthi I	DATE:10/27/2014
SHANTHI E. THOMAS	DATE.
STATE OF IL COUNTY OF	
certify that SHANTHI E. THOMAS, who	d for the County and State aforesaid, do hereby ose name is subscribed to the foregoing by in person and acknowledged that they signed,
sealed and delivered the instrument as	their free and voluntary act and deed for the
uses and purposes therein set forth. Given under my hand and notarial s	eal this 27 day of AMB, 2014.
My commission expires:	Notary Public Signature HEUA K. MANNERUNO
SHEILA R. MANNERINO	Printed Name of Notary Public

SHEILA R. MANNERINO
"OFFICIAL SEAL"
Rotary Public, State of Illinois
My Commission Expires
April 08, 2017

RECORDED: 02/18/2015

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