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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WEI MING LIM	03/28/2017
MADHU RAO	03/27/2017
ALVIN SHING CHYE GOH	03/27/2017
KIM LEONG LEE	03/28/2017
TERRENCE HUAT HIN TAN	03/29/2017
VUI YONG LIEW	03/28/2017
YAH CHEN CHEW	03/28/2017

RECEIVING PARTY DATA

Name:	INTEL CORPORATION	
Street Address: 2200 MISSION COLLEGE BLVD.		
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code: 95054		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15282574	

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ATTORNEY DOCKET NUMBER:	884.X74US1
NAME OF SUBMITTER:	TAMERAE ROBINSON
SIGNATURE:	/Tamerae Robinson/
DATE SIGNED:	08/09/2017
Total Attachments: 3	

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source=884X74US1_Assignment#page3.tif

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: (P107189) 884.X74US1

Patent and Trademark Office

 Name of conveying party(ies): Wei Ming Lim, Madhu Rao, Alvin Shing Chye Goh, Kim Leong Lee, Terrence Huat Hin Tan, Vui Yong Liew, Yah Chen Chew Additional name(s) of conveying party(ies) attached? 	 Name and address of receiving party(ies): Name: Intel Corporation Street Address: 2200 Mission College Blvd. City: Santa Clara State: CA Zip: 95054 Country: United States of America
 []Yes [X]No 3. Nature of conveyance: 	Additional name(s) & address(es) attached? []Yes [X]No
 [X] Assignment [] Merger [] Security Agreement[] Change of Name [] Other 	
Execution Date: <u>March 28, 2017</u> , <u>March 27, 2017</u> , <u>March 27, 2017</u> , <u>March 28, 2017</u> , <u>March 29, 2017</u> , <u>March 28, 2017</u> , <u>March 28, 2017</u>	

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 15/282,574

Additional numbers attached? []Yes [X]No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David C. Peterson

Address:

Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Minneapolis, MN 55402--0938 B. Patent No.(s)

- 6. Total number of applications and patents involved: 1
- 7. Total fee (37 CFR 3.41):\$ 0.00

[]Enclosed []Authorized to be charged to deposit account 190743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 190743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David C. Peterson/Reg. No. 47,857	[Dail Peter]	/ 8/7/2017
Name of Person Signing	Signature	Date
	Total number of pages includ	ling cover sheet: 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450

PATENT REEL: 043240 FRAME: 0223

Intel Docket No.: P107189 SLW Reference No.: 884.X74US1

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s);

<Wei Ming Lim, Madhu Rao, Alvin Shing Chye Goh, Kim Leong Lee, Terrence Huat Hin Tan, Vui Yong Liew, Yah Chen Chew>

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

METHODS AND APPARATUS FOR PREDICTABLE PROTOCOL AWARE TESTING ON MEMORY INTERFACE

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on September 30, 2016 as

United States of America Application Number 15/282,574

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute

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PATENT REEL: 043240 FRAME: 0224

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all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignce, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned

Wei Ming Lim Madhu Rao Alinhan Alvin Shing Chye Goh

XLIA

Kim Leong Lee

Terrence Huat Hin Tan

Vui Yong Liew

Yah Chen Chew

<u>3/28/28/7</u> Date Signed

3/27/17

3/27/2017

Date Signed

3/23/17 Date Signed

3/29/17

Date Signed

3/28/17 Date Signed

 $\frac{3/28/17}{\text{Date Signed}}$

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