505172998 11/02/2018 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT								
NATURE OF CONVEYANCE:			ASSIGNMENT							
CONVEYING PARTY	DATA									
			Name		Execution Date					
ASAD AZAM					10/09/2018					
R SELVAKUMAR RA	JA GOPAL				10/31/2018					
SREEJIT CHAKRAVA	RTY				10/10/2018					
KAITLYN CHEN					10/09/2018					
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State/Country:	CALIF	CALIFORNIA								
Postal Code:	95054	95054								
PROPERTY NUMBE		1	Number]						
		16155606								
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CORRESPONDENCE	DATA									
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SIGNATURE:			/Dianoosh Salehi, Reg. No. 46,352/							
DATE SIGNED:		11/02/2018								
Total Attachments: 5 source=AB0301-US_AS										
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ASSIGNMENT

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

Asad Azam; R Selvakumar Raja Gopal; Sreejit Chakravarty; Kaitlyn Chen

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, SYSTEMS AND APPARATUS FOR IN-FIELD TESTING FOR GENERIC DIAGNOSTIC COMPONENTS

(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	October 9, 2018		35
US	Application Number	16/155.606	and
COUNTRY or Inte	ernational Office		

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 himited 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 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

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Attorney Docket No.: AB0301-US

the history thereof; and generally assist said Assignee, 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.

Asad Azam

10/09/2018 Date signed

R Selvakumar Raja Gopal

Date signed

Date signed

Sreejit Chakravarty

Kaitlyn Chen

Date signed

Date signed

Date signed

Date signed

Date signed

Page 2 of 2

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Asad Azam R Vakumar Raja Gopal

Sreejit Chakravarty

Kaitlyn Chen

Date signed

31/10/2018 /Date signed

Date signed

Date signed

Date signed

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Page 2 of 2

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Asad Azam

Date signed

R Selvakumar Raja Gopal

Sreejit Chakravarty

Kaitlyn Chen

Date signed

 $\frac{10/10/18}{\text{Date signed}}$

Date signed

Date signed

Date signed

Date signed

Date signed

Page 2 of 2

Attorney Docket No.: AB0301-US

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R Selvakumar Raja Gopal

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Sreejit Chakravarty

Zailly Cha Kaitlyn Chen

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Page 2 of 2

PATENT REEL: 047394 FRAME: 0441

RECORDED: 11/02/2018