PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREW C. WALTON	02/18/2016
CHARLES STUART JOHNSON	02/18/2016
ALEXANDER V. JIZRAWI	02/19/2016

RECEIVING PARTY DATA

Name:	Hewlett Packard Enterprise Development LP
Street Address:	11445 Compaq Center Drive West
City:	Houston
State/Country:	TEXAS
Postal Code:	77070

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16073066

CORRESPONDENCE DATA

Fax Number:

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: (970) 898-7472

Email: hpe.ip.mail@hpe.com

Correspondent Name: HEWLETT PACKARD ENTERPRISE 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90627189
NAME OF SUBMITTER:	MARILEE JENSON
SIGNATURE:	/Marilee Jenson/
DATE SIGNED:	08/06/2018

Total Attachments: 6

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RECORD ID:	90120052	

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to Hewlett Packard Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPED, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

Filing Date:		Application No.:
divisionals, and renewa	d improvement(s) set forth thats of and substitutes for said	erein, and any and all continuations, continuations-in-part (C-I-P's) I application for said Patent, and any and all other Patent of any perefore; and any reissues, or reexaminations, or extensions of said
by HPED, its successor Patent respectively may	rs, assigns, nominees or legal	ns in my/our name for Patent in any country, to be held and enjoyed representatives, to the full end of the term or terms for which said nded, as fully and entirely as the same would have been held and to been made;
executed and will not entime a request is made, perfect the title to said in nominees or legal represaid invention(s) or imperpares, to execute alleightful oaths and declared legal representative	secute any agreement in confli- and without undue delay, exer- nvention(s) or improvement(s) sentatives, and I/we agree to- rovement(s), said application a disclaimers and divisionals, of rations, and generally to do e s to obtain and enforce, for its and all countries provided	to convey the entire interest herein assigned, and that I/we have not convey the entire interest herein assigned, and that I/we will, each cute and deliver all such papers as may be necessary or desirable to said application and said Patent, to HPED, its successors, assigns, communicate to HPED, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawful portinuations, C-I-P's, reissue and foreign applications, to make all verything possible to aid HPED, its successors, assigns, nominees or their own benefit, proper patent protection for said invention(s) or the expenses which may be incurred by me/us in lending such
applications as aforesai	d, to issue to HPED, as assig ment(s) which may be issue	ial of any country or countries whose duty it is to issue patents on nee of the entire right, title and interest, any and all Patent for said d and granted on or as a result of the application aforesaid, in
I/we further author application for Patent, no known to them.	ize and direct the attorneys ow identified by the Record ID	of record to insert the filing date and application number of said and title set forth above, as soon as the same shall have been made
IN WITNESS WHEREO	DF, I/we hereunto set my/our har	d(s) and seal(s):
Andrew C.	Walton	
First/Middle Name	Last Name	
Inventor's Signature		Date
Charles Stuart	Johnson	
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PATENT REEL: 046559 FRAME: 0627

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	90120052
	ASSIGNMENT OF PA	ATENT APPLICATION (cont.)	
Inventor's Signature		Date	
Alexander V.	Jizrawi		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature			
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature			
First/Middle Name	Last Name		

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Hewlett Packard Enterprise
3404 E. Harmony Road
Mail Stop 79
Fort Collins, Colorado 80528

PATENT APPLICATION	PATENT	APPL	CATION
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RECORD ID:	90120052
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ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to Hewlett Packard Enterprise Development LP, a Texas Limited Partnership having its

principal place of business in l transfer and hereby assign ar the right of priority, in, to and t	nd transfer to HPED, its s	successors and a	to its subsidiaries and affiliates, agree to assign and assigns, the entire right, title and interest, including
SIMULATOR BASED DETE SHARED MEMORY SYSTE		N OF A COHER	RENCY PROTOCOL IN AN INCOHERENT
Filing Date:		Applica	ation No.:
divisionals, and renewals of	and substitutes for said	application for s	nd all continuations, continuations-in-part (C-I-P's), said Patent, and any and all other Patent of any reissues, or reexaminations, or extensions of said
by HPED, its successors, ass	signs, nominees or legal i granted, reissued or exten	representatives, anded, as fully and	ne for Patent in any country, to be held and enjoyed to the full end of the term or terms for which said id entirely as the same would have been held and
executed and will not execute time a request is made, and we perfect the title to said invention nominees or legal represental said invention(s) or improvem papers, to execute all discla- rightful oaths and declaration and legal representatives to o	any agreement in conflict vithout undue delay, exection(s) or improvement(s), sitives, and I/we agree to critically, said application aritimers and divisionals, cos, and generally to do evolutional and enforce, for its call countries provided the	It herewith, and I/ ute and deliver al said application a communicate to H nd said Patent, to intinuations, C-I-F verything possible or their own bene	atire interest herein assigned, and that I/we have not I/we further covenant and agree that I/we will, each ill such papers as may be necessary or desirable to and said Patent, to HPED, its successors, assigns, HPED, or to its nominee, all known facts respecting to testify in any legal proceedings, to sign all lawful P's, reissue and foreign applications, to make all e to aid HPED, its successors, assigns, nominees efit, proper patent protection for said invention(s) or nich may be incurred by me/us in lending such
applications as aforesaid, to i	ssue to HPED, as assign s) which may be issued	ee of the entire	y or countries whose duty it is to issue patents on right, title and interest, any and all Patent for said on or as a result of the application aforesaid, in
			ert the filing date and application number of said above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/w	re hereunto set my/our hand	d(s) and seal(s):	
Inventor's Signature		· · · · · · · · · · · · · · · · · · ·	Date
Andrew C.	Walton		
First/Midelle Name	Last Name	·	2/2/22/2
(See 1	< > \		2/18/2016
Inventor's Signature	~		Date / /
Charles Stuart	Johnson		_
First/Middle Name	Last Name		
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PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	90120052
	ASSIGNMENT OF PA	ATENT APPLICATION (cont.)	
Inventor's Signature		Date	
Alexander V.	Jizrawi		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
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Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature			
First/Middle Name	Last Name		

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Patent.

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RECORD ID:	90120052
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ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to Hewlett Packard Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPED, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

SIMULATOR BASED DETECTION OF A VIOLATION OF A COHERENCY PROTOCOL IN AN INCOHERENT SHARED MEMORY SYSTEM Filing Date: Application No.: and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-t-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said

I/we additionally authorize HPED to file applications in my/our name for Patent in any country, to be held and enjoyed by HPED, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Patent, to HPED, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPED, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPED, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPED;

AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPED, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature		······································	Date	······································
Andrew C.	Walton			
First/Middle Name	Last Name		•	\$
Inventor's Signature			Date	
Charles Stuart	Johnson			
First/Middle Name	Last Name			
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PATENT APPLICATION

Mail Stop 79 Fort Collins, Colorado 80528		RECORD ID:	90120052	
	ASSIGNMENT OF PATENT APPLICATION (cont.)			
alexadu V.	(fage = 5		19/2016	
Inventor's Signature		Date	•	
Alexander V.	Jizrawi	 :		
First/Middle Name	Last Name			
Inventor's Signature		Date		
First/Middle Name	Last Name			
Inventor's Signature		Date		
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First/Middle Name	Last Name			

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