505181229 11/08/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5227997

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ISAAC THEOGARAJ	04/30/2018
REJI VARGHESE	04/30/2018
SIVAPPIRAKASAM MUTHIAH	04/30/2018

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:	16183947

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) 898-7444

Email: hpe.ip.mail@hpe.com

Correspondent Name: HEWLETT PACKARD ENTERPRISE
Address Line 1: 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90598799
NAME OF SUBMITTER:	TERRIE M. KRUTZ
SIGNATURE:	/Terrie M. Krutz/
DATE SIGNED:	11/08/2018

Total Attachments: 4

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> PATENT REEL: 047449 FRAME: 0935

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

RECORD ID:	90545712
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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 piace 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:

INTERNET PROTOCOL SECURITY MESSAGES FOR SUBNETWO	DRKS
Filing Date: Applica	tion No.:
and the invention(s) and improvement(s) set forth therein, and any and divisionals, and renewals of and substitutes for said application for a countries thereto which may be granted thereon or therefore; and any Patent.	aid Patent, and any and all other Patent of any
I/we additionally authorize HPED to file applications in my/cur name by HPED, its successors, assigns, nominees or legal representatives, Patent respectively may be granted, reissued or extended, as fully and enjoyed by me/us had this assignment, and transfer not been made;	to the full end of the term or terms for which said
AND twe hereby covenant that tiwe have full right to convey the emercuted and will not execute any agreement in conflict herewith, and it time a request is made, and without undue dalay, execute and deliver all perfect the title to said invention(s) or improvement(s), said application anominees or legal representatives, and tiwe agree to communicate to Hisald invention(s) or improvement(s), said application and said Patent, to papers, to execute all disclaimers and divisionals, continuations, C-trightful oaths and declarations, and generally to do everything possible and legal representatives to obtain and enforce, for its or their own benefit improvement(s) in any and all countries provided the expenses who cooperation and assistance are paid by HPED;	twe further covenant and agree that I/we will, each is such papers as may be necessary or desirable to and said Patent, to HPED, its successors, assigns, IPED, or to its nominee, all known facts respecting to testify in any legal proceedings, to sign all lawful as, reissue and foreign applications, to make all to aid HPED, its successors, assigns, nominees till, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any country applications as aforesaid, to issue to HPED, as assignee of the entire invention(s) or improvement(s) which may be issued and granted of accordance with the terms of this assignment.	right, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record to inseapplication for Patent, now identified by the Record ID and title set forth known to them.	
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):	
Jeans	30 April 2018
Inventor's Signature	Date
Isaac Theogaraj	
First/Middle Name/Last Name	
night	30 APA 2018
Inventor's Signature	Date
Reji Varghese	•
First/Middle Name/Last Name	
Rev 06/15 Page 1 of 7	

PATENT REEL: 047449 FRAME: 0936 Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins. Colorado 80528

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	90545712
	ASSIGNMENT OF PATENT AF	PLICATION (con	t.)
Inventor's Signature		Date	
Sivappirakasam Muthiah			
First/Middle Name/Last Name			
Inventor's Signature		Date	
First/Middle Name/Last Name			
Inventor's Signature		 Date	
		Date	
First/Middle Name/Last Name			
		Ford	
Inventor's Signature		Date	
First/Middle Name/Last Name			
Inventor's Signature		Date	
First/Middle Name/Last Name			
Inventor's Signature		Date	
First/Middle Name/Last Name			

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

Rev 06/15

PATENT APPLICATION

RECORD ID:	90545712
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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

Filing Date:	Application No.:
divisionals, and renewals of and substitutes for said ap-	n, and any and all continuations, continuations-in-part (C-I-P's), plication for said Patent, and any and all other Patent of any ore; and any reissues, or reexaminations, or extensions of said
by HPED, its successors, assigns, nominees or legal rep	n my/our name for Patent in any country, to be held and enjoyed resentatives, to the full end of the term or terms for which said d, as fully and entirely as the same would have been held and en made;
executed and will not execute any agreement in conflict he time a request is made, and without undue delay, execute perfect the title to said invention(s) or improvement(s), said nominees or legal representatives, and I/we agree to com said invention(s) or improvement(s), said application and papers, to execute all disclaimers and divisionals, contir rightful oaths and declarations, and generally to do every and legal representatives to obtain and enforce, for its or t	convey the entire interest herein assigned, and that I/we have not be rewith, and I/we further covenant and agree that I/we will, each and deliver all such papers as may be necessary or desirable to diapplication and said Patent, to HPED, its successors, assigns, municate to HPED, or to its nominee, all known facts respecting said Patent, to testify in any legal proceedings, to sign all lawful mustions, C-I-P's, reissue and foreign applications, to make all thing possible to aid HPED, its successors, assigns, nominees heir own benefit, proper patent protection for said invention(s) or expenses which may be incurred by me/us in lending such
applications as aforesaid, to issue to HPED, as assignee	of any country or countries whose duty it is to issue patents on of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in
	ecord to insert the filing date and application number of said title set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s)	and seal(s):
Inventor's Signature	Date
Isaac Theogaraj	
First/Middle Name/Last Name	
Inventor's Signature	Date
Reji Varghese	
First/Middle Name/Last Name	

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PATENT **REEL: 047449 FRAME: 0938**

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

PATENT APPLICATION

RECORD ID;	90545712
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ASSIGNMENT OF PATENT APPLICATION (cont.)

Henrykowa	30 April 2018
Inventor's kighature	Date
Sivappirakasam Muthlah	
First/Middle Name/Last Name	
Inventor's Signature	Date
First/Middle Name/Last Name	
Ensymmotic Manney Last Name	
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Inventor's Signature	Date
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First/Middle Name/Last Name	

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