504189445 01/21/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4236120

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANURAG SINGLA	07/18/2014
EDWARD ROSS	07/19/2014
BRIAN FREDERIK HOSEA CHE HEIN	07/18/2014

RECEIVING PARTY DATA

Name:	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
Street Address:	11445 COMPAQ CENTER DRIVE WEST
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77070

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15328018

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

Address Line 1: 3404 E. HARMONY ROAD

Address Line 2: MAIL STOP 79

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90342513
NAME OF SUBMITTER:	DEBORAH HIGHAM
SIGNATURE:	/Deborah Higham/
DATE SIGNED:	01/21/2017

Total Attachments: 3

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PATENT 504189445 REEL: 041035 FRAME: 0064

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

Rev 1/ 2013 (Assignment)

PATENT APPLICA	TION
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RECORD ID:	83957998
A CONTRACT OF THE PROPERTY OF	

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the

receipt of which is hereby acknowledged, and in furtherance of DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership hat Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to a assigns, the entire right, title and interest, including the right of pri- entitled:	aving its principal place of business in Houston, assign and transfer to HPDC, its successors and
SECURITY INDICATOR LINKAGE DETERMINATION	
Filing Date: Applica	ation No.:
and the invention(s) and improvement(s) set forth therein, and any ar divisionals, and renewals of and substitutes for said application for s countries thereto which may be granted thereon or therefore; and any Patent.	said Patent, and any and all other Patent of any
I/we additionally authorize HPDC to file applications in my/our name by HPDC, its successors, assigns, nominees or legal representatives, Patent respectively may be granted, reissued or extended, as fully an 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 I/we hereby covenant that I/we have full right to convey the enexecuted and will not execute any agreement in conflict herewith, and time a request is made, and without undue delay, execute and deliver a perfect the title to said invention(s) or improvement(s), said application nominees or legal representatives, and I/we agree to communicate to the said invention(s) or improvement(s), said application and said Patent, the 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 benimprovement(s) in any and all countries provided the expenses when the said in the compensation and assistance are paid by HPDC;	I/we further covenant and agree that I/we will, each and said Patent, to HPDC, its successors, assigns, HPDC, 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 HPDC, its successors, assigns, nominees efil, 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 HPDC, as assignee of the entire invention(s) or improvement(s) which may be issued and granted caccordance 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	
Arrol Lolo Inventor's Signature	
Anurag SINGLA Inventor's Typed Name	·····
nventor's Signature	Date
Ted ROSS	
Inventor's Typed Name	_

Page 1 of 2

PATENT

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

					ON

RECORD ID	839	57998	-

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston.

Texas, (hereinafter HPDC), and to its subsidiassigns, the entire right, title and interest, in entitled:	iaries and affiliates, to assign and transfer to HPDC, its successors and including the right of priority, in, to and under an application for Patent
SECURITY INDICATOR LINKAGE DETERN	MATION
Filing Date:	Application No.:
divisionals and renswals of and substitutes t	forth therein, and any and all continuations, continuations-in-part (C-I-P's), for said application for said Patent, and any and all other Patent of any on or therefore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors assigns, nominees it	oplications in my/our name for Patent in any country, to be held and enjoyed or legal representatives, to the full end of the term or terms for which said or extended, as fully and entirely as the same would have been held and insfer not been made;
executed and will not execute any agreement time a request is made, and without undue deliperfect the title to said invention(s) or improver nominees or legal representatives, and I/we agaid invention(s) or improvement(s), said applicable to execute all disclaimers and division rightful caths and declarations, and generally and legal representatives to obtain and enforce	full right to convey the entire interest herein assigned, and that I/we have not in conflict herewith, and I/we further covenant and agree that I/we will, each ay, execute and deliver all such papers as may be necessary or desirable to ment(s), said application and said Patent, to HPDC, its successors, assigns, gree to communicate to HPDC, or to its nominee, all known facts respecting ication and said Patent, to testify in any legal proceedings, to sign all lawfu onals, continuations, C-I-P's, reissue and foreign applications, to make at to do everything possible to aid HPDC, its successors, assigns, nominees e, for its or their own benefit, proper patent protection for said invention(s) or oxided the expenses which may be incurred by me/us in lending such
applications as aforesaid, to issue to HPDC, a	the official of any country or countries whose duty it is to issue patents or as assignee of the entire right, title and interest, any and all Patent for said be issued and granted on or as a result of the application aforesaid, in
I/we further authorize and direct the att application for Patent, now identified by the Reknown to them.	formeys of record to insert the filing date and application number of said accord ID and 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
Anurag SINGLA Inventor's Typed Name	
==OP	19 506414
inventor's Signature	Date
TED ROSS ED WARD REST	

inventor's Typed Name Rev 1/ 2013 (Assignment)

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	83957998
	GNMENT OF PATENT APPLICATION (con	f)
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D. 1+C-7	7/18/2014	
Inventor's Signature	Date	
Brian Frederik Hosea Che HEIN		
Inventor's Typed Name		
Inventor's Signature		
inventor a dignature	Julo	
Inventor's Typed Name		
inventor o Typod Hamo		
Inventor's Signature	Date	
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Page 2 of 2

RECORDED: 01/21/2017