504046142 10/12/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4092803

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARVIND TIWARI	04/30/2014
JASON ROUAULT	04/30/2014
VENKATESWARAN THARUVAL SUNDARAM	04/30/2014

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:	15120424

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:	90251048
NAME OF SUBMITTER:	JESSICA MANIA
SIGNATURE:	/Jessica Mania/
DATE SIGNED:	10/12/2016

Total Attachments: 4

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PATENT 504046142 REEL: 039993 FRAME: 0527

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

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RECORD ID:	83825917

ASSIGNMENT OF PATENT APPLICATION

receipt of which is hereby acknowledged, and in furtherance DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership I Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to assigns, the entire right, title and interest, including the right of pentitled:	of my/our obligations to HEWLETT-PACKARD aving its principal place of business in Houston, assign and transfer to HPDC, its successors and
SERVICE ONBOARDING	
Filing Date: August 19, 2016 Applic	ation No.:15/120424
and the invention(s) and improvement(s) set forth therein, and any a divisionals, and renewals of and substitutes for said application for 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 nar by HPDC, its successors, assigns, nominees or legal representatives Patent respectively may be granted, reissued or extended, as fully a 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 executed and will not execute any agreement in conflict herewith, and time a request is made, and without undue delay, execute and deliver perfect the title to said invention(s) or improvement(s), said application nominees or legal representatives, and I/we agree to communicate to said invention(s) or improvement(s), said application and said Patent, papers, to execute all disclaimers and divisionals, continuations, C-rightful oaths and declarations, and generally to do everything possitiand legal representatives to obtain and enforce, for its or their own beimprovement(s) in any and all countries provided the expenses we cooperation and assistance are paid by HPDC;	I/we further covenant and agree that I/we will, each all such papers as may be necessary or desirable to 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 le to aid HPDC, its successors, assigns, nominees nefit, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any count applications as aforesaid, to issue to HPDC, as assignee of the entire invention(s) or improvement(s) which may be issued and granted 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 ins application for Patent, now identified by the Record ID and title set forti known to them.	ert the filing date and application number of said above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) ar	d seal(s):
Aund Zing V	0413.12014
Inventor's Signature	Date
Arvind Tiwari Inventor's Typed Name	
Inventor's Signature	Date
Jason Rouault Inventor's Typed Name	_

Rev 1/2013 (Assignment)

Page 1 of 2

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

PATENT APPLICATION

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nventor's Signature	Date
Venkateswaran Tharuvai Sundaram nventor's Typed Name	
nventor's Signature	Date
nventor's Typed Name	
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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

Rev 1/2013 (Assignment)

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RECORD ID:	83825917

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 subsidiaries and affiliates, to assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

assigns, the entire right, title and interest, including the right of pricentitled:	rity, in, to and under an application for Patent
SERVICE ONBOARDING	
Filing Date: August 19, 2016 Applicat	ion No.; 15/120424
and the invention(s) and improvement(s) set forth therein, and any and divisionals, and renewals of and substitutes for said application for secountries thereto which may be granted thereon or therefore; and any replacent.	d all continuations, continuations-in-part (C-I-P's), aid 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, to Patent respectively may be granted, reissued or extended, as fully and enjoyed by me/us had this assignment, and transfer not been made;	o 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 entitive executed and will not execute any agreement in conflict herewith, and I/time a request is made, and without undue delay, execute and deliver all perfect the title to said invention(s) or improvement(s), said application a nominees or legal representatives, and I/we agree to communicate to HI said invention(s) or improvement(s), said application and said Patent, to papers, to execute all disclaimers and divisionals, continuations, C-I-P rightful oaths and declarations, and generally to do everything possible and legal representatives to obtain and enforce, for its or their own benefimprovement(s) in any and all countries provided the expenses which cooperation and assistance are paid by HPDC;	we further covenant and agree that I/we will, each such papers as may be necessary or desirable to nd said Patent, to HPDC, its successors, assigns, PDC, or to its nominee, all known facts respecting testify in any legal proceedings, to sign all lawful "s, reissue and foreign applications, to make all to aid HPDC, its successors, assigns, nominees it, 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 r invention(s) or improvement(s) which may be issued and granted on accordance with the terms of this assignment.	ight, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record to insert application for Patent, now identified by the Record ID and title set forth a known to them.	the filing date and application number of said bove, 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
Arvind Tiwari	
Inventor's Typed Name	
6/1/	9/30/19
Inventor's Signature	Date
Jason Rouault	
Inventor's Typed Name	

Page 1 of 2

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PATENT APPLICATION

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Inventor's Signature	Date	······
Venkateswaran Tharuvai Sundaram		
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Date

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RECORDED: 10/12/2016