504795770 02/27/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CURTIS MELLO	02/27/2018
MICHAEL CHAMPIGNY	02/24/2018
GLENN S. WATKINS	02/27/2018
JOHN MICHAEL CZERKOWICZ	02/26/2018

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:	15906506

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.

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Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90482969
NAME OF SUBMITTER:	DEBORAH HIGHAM
SIGNATURE:	/Deborah Higham/
DATE SIGNED:	02/27/2018

Total Attachments: 4

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> PATENT REEL: 045052 FRAME: 0452

Rev 06/15

PATENT APPLICATION

RECORD ID:	90482969

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:

the right of priority, in, to and under an application for Patent entitled:	goog and and an arranged and an arranged and arranged arranged and arranged ar
VIRTUAL BLOCK ADDRESSES	
Filing Date: Appli	ication No.:
and the invention(s) and improvement(s) set forth therein, and any divisionals, and renewals of and substitutes for said application for countries thereto which may be granted thereon or therefore; and a Patent.	or said Patent, and any and all other Patent of any
I/we additionally authorize HPED to file applications in my/our naby HPED, its successors, assigns, nominees or legal representative Patent respectively may be granted, reissued or extended, as fully enjoyed by me/us had this assignment, and transfer not been made;	s, 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, an time a request is made, and without undue delay, execute and delive 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 Patem papers, to execute all disclaimers and divisionals, continuations, Crightful oaths and declarations, and generally to do everything poss and legal representatives to obtain and enforce, for its or their own be improvement(s) in any and all countries provided the expenses cooperation and assistance are paid by HPED;	d I/we further covenant and agree that I/we will, each rall such papers as may be necessary or desirable to an and said Patent, to HPED, its successors, assigns, of HPED, or to its nominee, all known facts respecting t, to testify in any legal proceedings, to sign all lawful C-I-P's, reissue and foreign applications, to make all ible to aid HPED, its successors, assigns, nominees enefit, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any courapplications as aforesaid, to issue to HPED, as assignee of the entinvention(s) or improvement(s) which may be issued and granted accordance with the terms of this assignment.	ire right, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record to in application for Patent, now identified by the Record ID and title set for known to them.	nsert the filing date and application number of said rth 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	2/27/18
	Date
Curtis Mello First/Middle Name/Last Name	<u> </u>
Inventor's Signature	Date
Michael Champigny	
First/Middle Name/Last Name	

PATENT REEL: 045052 FRAME: 0453

PATENT APPLICATION

Fort Collins, Colorado 80528	RECORD ID: 90482969
ASSIGNMENT OF PATENT A	PPLICATION (cont.)
Ilm Market	
Inventor's Signature	
Glenn S. Watkins	
First/Middle Name/Last Name	
11 41 12 1	2/26/2010
Inventor's Signature	2/26/2018 Date
John Michael Czerkowicz	
First/Middle Name/Last Name	
Inventor's Signature	Date
First/Middle Name/Last Name	·······
Inventor's Signature	Date
	Date
First/Middle Name/Last Name	
Inventor's Signature	Date
First/Middle Name/Last Name	NA Colombia de la Col
PIISO MIGGIE NAME/LAST NAME	
Inventor's Signature	Date
First/Middle Name/Last Name	· ·

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RECORD ID:	90482969

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 principal place.

time right or priority, in, to also brides an application for material end	.0ad.
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Filing Date: and the invention(s) and improvement(s) set forth therein, and divisionals, and renewals of and substitutes for said applicat countries thereto which may be granted thereon or therefore, a Patent.	ion for said Patent, and any and all other Palent of any
I/we additionally authorize HPED to file applications in my/ by HPED, its successors, assigns, nominees or legal represer Patent respectively may be granted, reissued or extended, as enjoyed by me/us had this assignment, and transfer not been m	fully and entirely as the same would have been held and
AND I/we hereby covenant that I/we have full right to convexecuted and will not execute any agreement in conflict herewitime a request is made, and without undue delay, execute and perfect the title to said invention(s) or improvement(s), said approximates or legal representatives, and I/we agree to communicate invention(s) or improvement(s), said application and said invention(s) or improvement(s), said application and said invention(s) or improvement(s), said application and said invention(s) and declarations, and generally to do everything and legal representatives to obtain and enforce, for its or their comprovement(s) in any and all countries provided the expectooperation and assistance are paid by HPED;	deliver all such papers as may be necessary or desirable to dication and said Patent, to HPED, its successors, assigns, cate to HPED, or to its nominee, all known facts respecting Patent, to testify in any legal proceedings, to sign all lawful ins, C-I-P's, reissue and foreign applications, to make all possible to aid HPED, its successors, assigns, nominees with benefit, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any applications as aforesaid, to issue to HPED, as assignee of th invention(s) or improvement(s) which may be issued and graccordance with the terms of this assignment.	
I/we further authorize and direct the attorneys of record application for Patent, now identified by the Record ID and little known to them.	to insert the filing date and application number of said sel forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and s	eai(s):
Inventor's Signature	Date
Curtis Mello	
First/Middle Name/Last Name	
Mihal Champing	2/24/18
Inventor's Signature	Date
Michael Champigny	
First/Middle Name/Last Name	

Page 1 of 2

PATENT REEL: 045052 FRAME: 0455

PATENT APPLICATION

Fort Collins, Colorado 80528	RECORD ID:	90482969
ASSIGNMEN'	T OF PATENT APPLICATION (cont	t.)
Inventor's Signature	Date	
Glenn S. Watkins		
First/Middle Name/Last Name		
Inventor's Signature	Date	
	Date	
John Michael Czerkowicz		
First/Middle Name/Last Name		
Inventor's Signature	Dave	
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		

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RECORDED: 02/27/2018