

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4367344

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE TO BE HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP previously recorded on Reel 041541 Frame 0395. Assignor(s) hereby confirms the RECORDED ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LIQUN CHEN	04/06/2017
STUART HABER	04/06/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HEWLETT-PACKARD ENTERPRISE DEVELOPMENT LP
<b>Street Address:</b>	11445 COMPAQ CENTER DRIVE WEST
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77070
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15418533
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	hpe.ip.mail@hpe.com
<b>Correspondent Name:</b>	HEWLETT PACKARD ENTERPRISE
<b>Address Line 1:</b>	3404 E HARMONY RD
<b>Address Line 2:</b>	MAIL STOP 79
<b>Address Line 4:</b>	FORT COLLINS, COLORADO 80528
<b>ATTORNEY DOCKET NUMBER:</b>	90323948
<b>NAME OF SUBMITTER:</b>	BRENDA L. THOM
<b>SIGNATURE:</b>	/Brenda L. Thom/
<b>DATE SIGNED:</b>	04/13/2017
<b>Total Attachments: 3</b>	
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source=blockchain-renew_pat-assign_signed#page2.tif	
source=blockchain-renew_pat-assign_signed#page3.tif	



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**PATENT ASSIGNMENT COVER SHEET**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>LIQUN CHEN</td> <td>01/25/2017</td> </tr> <tr> <td>STUART HABER</td> <td>01/25/2017</td> </tr> </tbody> </table>		Name	Execution Date	LIQUN CHEN	01/25/2017	STUART HABER	01/25/2017
Name	Execution Date						
LIQUN CHEN	01/25/2017						
STUART HABER	01/25/2017						
<b>RECEIVING PARTY DATA</b>							
Hewlett Packard Enterprise Development LP							
<b>Name:</b>	<del>HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.</del>						
<b>Street Address:</b>	11445 COMPAQ CENTER DRIVE WEST						
<b>City:</b>	HOUSTON						
<b>State/Country:</b>	TEXAS						
<b>Postal Code:</b>	77070						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>15418533</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	15418533		
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<b>Application Number:</b>	15418533						

**CORRESPONDENCE DATA****Fax Number:****Phone:** 970-898-7472**Email:** hpe.ip.mail@hpe.com*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.***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:**

90323948

**NAME OF SUBMITTER:**

BRENDA L. THOM

**Signature:**

/Brenda L. Thom/

**Date:**

01/27/2017

**Total Attachments: 1**

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**RECEIPT INFORMATION****EPAS ID:** PAT4248089**Receipt Date:** 01/27/2017[Return to home page](#)[| .HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

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

PATENT APPLICATION

RECORD ID: 90323948

### 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:

#### BLOCKCHAIN HASH VALUE RECOMPUTATION

Filing Date: 27 Jan 2017

Application No.: 15/418533

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-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 Patent.

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

06/04/2017  
\_\_\_\_\_  
Date

Uqun Chen  
\_\_\_\_\_  
First/Middle Name/Last Name

  
\_\_\_\_\_  
Inventor's Signature

April 6, 2017  
\_\_\_\_\_  
Date

Stuart Haber  
\_\_\_\_\_  
First/Middle Name/Last Name