

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3883841

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL DELPIER	05/12/2016
STACY L. WOLFF	05/12/2016
ERIC CHEN	05/18/2016
PAUL L. DREW	05/12/2016
RUDY WIDIAMAN	05/12/2016
JACK GODFREY WOOD	05/12/2016
MARCUS HOGGARTH	05/12/2016
HARC LEE	05/12/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Hewlett-Packard Development Company, L.P.
<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>
Application Number:	29565261
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(970)778-4063
<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>Phone:</b>	(541)715-8443
<b>Email:</b>	ipa.mail@hp.com
<b>Correspondent Name:</b>	HP INC.
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<b>Address Line 2:</b>	INTELLECTUAL PROPERTY
<b>Address Line 4:</b>	FORT COLLINS, COLORADO 80528
<b>ATTORNEY DOCKET NUMBER:</b>	84475978
<b>NAME OF SUBMITTER:</b>	COLLINS MBA-JONAS, III
<b>SIGNATURE:</b>	/Collins Mba-Jonas, III/

PATENT

<b>DATE SIGNED:</b>	05/22/2016
<b>Total Attachments: 5</b> source=84475978-A#page1.tif source=84475978-A#page2.tif source=84475978-A#page3.tif source=84475978-A#page4.tif source=84475978-A#page5.tif	

HP Inc.  
3390 E. Harmony Road  
Mail Stop 35  
Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 84475978

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 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, agree to assign and transfer and hereby 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:

Computer

Filing Date: May 19, 2016

Application No.: 29/565261

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 HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by HPDC, 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 HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, 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 HPDC, 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 HPDC;

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 HPDC, 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

MAY 12, 2016  
Date

Michael

Delpier

First/Middle Name

Last Name

Inventor's Signature

Date

Stacy L.

Wolff

First/Middle Name

Last Name

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Mail Stop 35  
Fort Collins, Colorado 80528


PATENT APPLICATION

RECORD ID: 84475978

ASSIGNMENT OF PATENT APPLICATION (cont.)

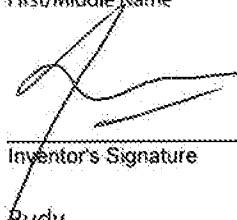
Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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

  
Inventor's Signature

May 12, 2016  
Date

Paul L. \_\_\_\_\_ Drew \_\_\_\_\_  
First/Middle Name Last Name

  
Inventor's Signature

05/12/16  
Date

Rudy \_\_\_\_\_ Widjawan \_\_\_\_\_  
First/Middle Name Last Name

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

Jack \_\_\_\_\_ Godfrey Wood \_\_\_\_\_  
First/Middle Name Last Name

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

Marcus \_\_\_\_\_ Hoggarth \_\_\_\_\_  
First/Middle Name Last Name

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

Harc \_\_\_\_\_ Lee \_\_\_\_\_  
First/Middle Name Last Name

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Computer

Filing Date: May 19, 2019

Application No.: 29/565261

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.

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Inventor's Signature

Date

Michael

Delpier

First/Middle Name

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Date

Stacy L.

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Rev. 8/2014 (Assignment)

Page 1 of 2

May 12, 2016

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REEL: 038672 FRAME: 0123

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PATENT APPLICATION

RECORD ID: 84475978

ASSIGNMENT OF PATENT APPLICATION (cont.)

In  \_\_\_\_\_ Date 5/18/2016

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First/Middle Name Last Name

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

Paul L. Drew  
First/Middle Name Last Name

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

Rudy Widiaman  
First/Middle Name Last Name

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

Jack Godfrey Wood  
First/Middle Name Last Name

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Inventor's Signature Date

Marcus Hoggarth  
First/Middle Name Last Name

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Inventor's Signature Date

Harc Lee  
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PATENT APPLICATION

RECORD ID: 84475978

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

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

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

Paul L. \_\_\_\_\_ Drew \_\_\_\_\_  
First/Middle Name Last Name

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

Rudy \_\_\_\_\_ Widiaman \_\_\_\_\_  
First/Middle Name Last Name

Inventor's Signature \_\_\_\_\_ Date 12.5.16

Jack \_\_\_\_\_ Godfrey Wood \_\_\_\_\_  
First/Middle Name Last Name

Inventor's Signature \_\_\_\_\_ Date 12/5/16

Marcus \_\_\_\_\_ Hoggarth \_\_\_\_\_  
First/Middle Name Last Name

Inventor's Signature \_\_\_\_\_ Date 12/05/16

Harc \_\_\_\_\_ Lee \_\_\_\_\_  
First/Middle Name Last Name