# 504908639 05/10/2018

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
BRUCE G JOHNSON	12/04/2015
AL OLSON	12/04/2015
STEVE O RASMUSSEN	12/04/2015
ELLIOTT DOWNING	12/07/2015
JONATHON CHA SPAFFORD	12/07/2015
MICHAEL J WILMINK	12/08/2015

## **RECEIVING PARTY DATA**

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State/Country:	TEXAS	
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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
PCT Number:	US2015064663

## **CORRESPONDENCE DATA**

**Fax Number:** (970)778-4063

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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Correspondent Name: HP INC.

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Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84938701	
NAME OF SUBMITTER:	ANN WEBSTER JESUS	
SIGNATURE:	/Ann Webster Jesus/	
DATE SIGNED:	05/10/2018	

PATENT 504908639 REEL: 045767 FRAME: 0381

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PATENT REEL: 045767 FRAME: 0382

# 84938701

Inventor's Signature

First/Middle Name

Rev 8/2014 (Assignment)

Olson Last Name

## PATENT APPLICATION

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3390 E. Harmony Road Mail Stop 35			84422116
Fort Collins, Colorado 80528		RECORD ID:	V-72211V
	ACCICAMENT C	F PATENT APPLICATI	ON
and in furtherance of my Limited Partnership having	(each), for good and value y/our obligations to HEW ng its principal place of	able consideration, the recu LETT-PACKARD DEVELO business in Houston, Te after and hereby assign and	eipt of which is hereby acknowledged, DPMENT COMPANY, L.P., a Texas xas, (hereinafter HPDC), and to its transfer to HPDC, its successors and and under an application for Patent
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Filing Date: Decem	ber 09, 2015	Application No.:	PCT/US2015/064663
distributed and repeated	of and cubetitudes for said	application for said Patent	nuations, continuations-in-part (C-I-P's), , and any and all other Patent of any or reexaminations, or extensions of said
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annlinations as aforesaid	to issue to HPDC, as assigent(s) which may be issue	inee of the entire right, title	ies whose duty it is to issue patents or and interest, any and all Patent for said result of the application aforesaid, in
application for Patent, now known to them.	identified by the Record ID	and title set forth above, as	g date and application number of sai soon as the same shall have been mad
IN WITNESS WHERE	QF, I/we hereunto set my	/our hand(s) and seal(s):	
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Inventor's Signature	<del>/</del>	Date	
/			
Bruce G.	Johnson		
First/Middle Name	Last Name		

Date

Page 1 of 2

**PATENT REEL: 045767 FRAME: 0383** 

HP Inc. 3390 E. Harmony Road Mail Stop 35	
3390 E. Harmony Road	
Mail Stop 35	
Fort Collins, Colorado 8052	8

## PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID: 84422116
	ASSIGNMENT OF PAT	FENT APPLICATION (cont.)
nventor's Signature		Date
Steve O.	Rasmussen	
irst/Middle Name	Last Name	
Oldl />	-	2015 - 12 - 7
nventor's Signature		Date
Elliott	Downing	
First/Middle Name	Last Name	***************************************
nventor's Signature		Date
Jonathon Cha	Spafford	
First/Middle Name	Last Name	<del></del>
nventor's Signature		Date
Michael J.	Wilmink	
First/Middle Name	Last Name	<del></del>
nventor's Signature		Date
First/Middle Name	Last Name	
		Data
Inventor's Signature		Date
First/Middle Name	Last Name	

Page 2 of 2

Rev 8/2014 (Assignment)

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3390 E. Harmony Ro	ad
Mail Stop 35	
Fort Collins, Colorado	80528

PATENT APPLICATION

RECORD ID:	84422116
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### 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:

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	Application No.:	er en
s of and substitutes for said app	lication for said Patent, an	d any and all other Patent of any
	s of and substitutes for said app	Application No.:  Improvement(s) set forth therein, and any and all continuation of and substitutes for said application for said Patent, and any be granted thereon or therefore; and any reissues, or re-

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):

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Inventor's Signature	<del>ana ang mana ana ang panakana ang katanana ang katanana ang katanana ang katanana ang katanana ang katanana an</del>		Date
Bruce G.	Johnson		
First/Middle Name	Last Name		
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Inventor's Signature		<del>, , , , , , , , , , , , , , , , , , , </del>	Date
Al .	Olson		
First/Middle Name	Last Name	And the state of t	<del>-</del>
Rev 8/2014 (Assignment)		Page 1 of 2	

PATENT REEL: 045767 FRAME: 0385

HP Inc. 3390 E. Harmony Road Mail Stop 35			PATENT APPLICATION
Fort Collins, Colorado 80528		RECORD ID:	84422116
	ASSIGNMENT OF PAT	TENT APPLICATION (cont	
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Inventor's Signature		Date	
Steve O.	Rasmussen		
First/Middle Name	Last Name	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	
Inventor's Signature		Date	
Elliott	Downing		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Jonathon Cha	Spafford		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Michael J.	Wilmink		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
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Page 2 of 2

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	ins, Colorado 80528

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# PATENT APPLICATION

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Inventor's Signature		Pate	~ · · · · · · · · · · · · · · · · · · ·
Steve O.	Rasmussen		
First/Middle Name	l.ast Name		
Inventor's Signature		Date	N 101 - 1
Elliott	Downing	Maria New Congression and Congression	
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Jonathon Cha	Spafford		
First/Middle Name	Last Name	and and the second of the seco	
Inventor's Signature	- 1	Date	,
Michael J.	Wilmink		
First/Middle Name	Last Name		
Inventor's Signature		Dale	<u> </u>
First/Middle Name	Last Name		
Inventor's Signature	·	Date	
First/Middle Name	Last Name	<b>**</b>	

Page 2 of 2

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

## PATENT APPLICATION

ASSIGNMENT OF PA	ATENT APPLICATION (cont.)
	·
Inventor's Signature	Date
Steve O. Rasmussen	
First/Middle Name Last Name	
Inventor's Signature	Date
Elliott Downing	
First/Middle Name Last Name	
Inventor's Signature	Date
Jonathon Cha Spafford	_
First/Middle Name Last Name	
Inventor's Signature	12-8-15 Date
Michael J. Wilmink	
First/Middle Name Last Name	
Inventor's Signature	Date
First/Middle Name Last Name	
Inventor's Signature	Date
First/Middle Name Last Name	

Page 2 of 2

PATENT REEL: 045767 FRAME: 0388

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