#### 11/11/2016 504092710

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4139378

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
LORRI L JEFFERSON	07/07/2014
VALIUDDIN ALI	08/25/2014
HELEN BALINSKY	07/07/2014

### **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:	15309480

### 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.

Phone: (541)715-8443 Email: ipa.mail@hp.com

**Correspondent Name:** HP INC.

Address Line 1: 3390 E. HARMONY ROAD MS 35 Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84554973
NAME OF SUBMITTER:	DEBBIE BORLAND
SIGNATURE:	/Debbie Borland/
DATE SIGNED:	11/11/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

### **Total Attachments: 6**

source=84554973 Assignment#page1.tif source=84554973 Assignment#page2.tif

> **PATENT** REEL: 040290 FRAME: 0982 504092710

source=84554973 Assignment#page3.tif source=84554973 Assignment#page4.tif source=84554973 Assignment#page5.tif source=84554973 Assignment#page6.tif

> PATENT REEL: 040290 FRAME: 0983

Rev & 2014 (Assignment)

		PPL		

RECORD ID:	83957295
------------	----------

### 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.

	ntire right, title and interest, including the rig		
COMPOSITE	DOCUMENT ACCESS		
Filing Date: _	November 8, 2016	Application No.:	15/309480
divisionals, and	on(s) and improvement(s) set forth therein, ar if renewals of and substitutes for said applica- to which may be granted thereon or therefore;	tion for said Patent, an	d any and all other Patent of any
by HPDC, its s Patent respecti	onally authorize HPDC to file applications in my uccessors, assigns, nominees or legal represe vely may be granted, reissued or extended, a us had this assignment, and transfer not been n	entatives, to the full end of s fully and entirely as the	of the term or terms for which said
executed and v time a request perfect the title nominees or le- said invention(s papers, to exe rightful oaths a and legal repre improvement(s)	hereby covenant that I/we have full right to convill not execute any agreement in conflict herew is made, and without undue delay, execute and to said invention(s) or improvement(s), said apgal representatives, and I/we agree to communis) or improvement(s), said application and said cute all disclaimers and divisionals, continuational declarations, and generally to do everythin sentatives to obtain and enforce, for its or their in any and all countries provided the expedit assistance are paid by HPDC;	rith, and I/we further cover deliver all such papers a plication and said Patent icale to HPDC, or to its re Patent, to testify in any ions, C-I-P's, reissue an g possible to aid HPDC, own benefit, proper pate	enant and agree that I/we will, each is may be necessary or desirable to to HPDC, its successors, assigns cominee, all known facts respecting legal proceedings, to sign all lawfu d foreign applications, to make a its successors, assigns, nomineed to protection for said invention(s) o
applications as invention(s) or	hereby authorize and request the official of ar aforesaid, to issue to HPDC, as assignee of t improvement(s) which may be issued and of the terms of this assignment.	he entire right, title and i	nterest, any and all Patent for sak
	er authorize and direct the attorneys of recor Patent, now identified by the Record ID and title		
IN WITNE	ESS WHEREOF, I/we hereunto set my/our ha		7/14
Lorri L. Jefferson Inventor's Typer			
Inventor's Signa	ture	Date	
Vali Ali Inventor's Typed	1 Name	· · · · · · · · · · · · · · · · · · ·	

PATENT REEL: 040290 FRAME: 0984

### PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	RECORD IS	o: <u>83957295</u>
	SIGNMENT OF PATENT APPLICATION	ON (cont.)
Inventor's Signature	Date	
Helen Balinsky Inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name		

Page 2 of 2

DATER	er a	.070370	E	700000

RECORD ID:	83957295
RECORD ID:	03901 720

#### 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:

#### COMPOSITE DOCUMENT ACCESS

Filing Date: XXXXXXXX	November 8, 2016	Application No.: 🛠 🗴	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	15/309480
	provement(s) set forth therein, and substitutes for said applic			
	be granted thereon or therefore			

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			Date
Lorri	Jefferson		
First/Middle-Name	Last Name		8/25/2014.
Valiuddin	Ali		
First/Middle Name	Last Name		•
Rev & 2014 (Assignment)		Page 1 of 2	

### PATENT APPLICATION

RECORD ID:
------------

83957295

## ASSIGNMENT OF PATENT APPLICATION (cont.)

nventor's Signature		Date	
Helen	Balinsky		
First/Middle Name	East Name	<del></del>	
inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature			
First/Middle Name	Last Name	<del></del>	
inventor's Signature		Date :	
First/Middle Name	East Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		

Page 2 of 2

Rev 5/ 2014 (Assignment)

#### PATENT APPLICATION

RECORD ID:	83957295	

#### **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.

### COMPOSITE DOCUMENT ACCESS

Rev 6/ 2014 (Assument)

Filing Date: _	November 8, 2016	Application No.:	15/309480
divisionals, and	renewals of and substitute	et forth therein, and any and all continues for said application for said Patent, reon or therefore; and any reissues, or	and any and all other Patent of any
Patent	o without they so storing in	and the manager and and transcens as	

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 filling 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	Date
Lorn L Jefferson Inventor's Typed Name	
Inventor's Typed Name	
Inventor's Signature	Date
Vali Ali	
Inventor's Typed Name	

Page 1 of 2

### PATENT APPLICATION

Mail Stop 35	BECORD ID:	83957295
Fort Collins, Colorado 80528	(MOONO)	
ASSIGNMEN	T OF PATENT APPLICATION (co	nt.)
January Commission of the Comm		
- SK4		HIVLY 2014
nventor's Signature	Date	
Helen Balinsky		
nventor's Typed Name		
Inventor's Signature	Date	
1		
inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name		
Inventor's Signature	Date	
art of the Congression of the Co		
Inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name	- December 1	
HIVERNOT O TYPOUR MONTE		
		·····
Inventor's Signature	Date	
Inventor's Typed Name		

Page 2 of 2

Rev 6/ 2014 (Assignment)