PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL W. CUMBIE	07/22/2016
DEVIN ALEXANDER MOUREY	07/22/2016
SI-LAM CHOY	07/22/2016

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:	16094360

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: 85014150

NAME OF SUBMITTER: STEVEN L. NICHOLS

SIGNATURE: /Steven L. Nichols/

DATE SIGNED: 10/17/2018

Total Attachments: 4

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PATENT REEL: 047199 FRAME: 0700

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Maii Stop 35
Fort Collins, Colorado 80528

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RECORD ID:	84490237

ASSIGNMENT OF PATENT APPLICATION

and in furtherance of m Limited Partnership havi subsidiaries and affiliates,	y/our obligations to HE ng its principal place (agree to assign and tra	indame consideration, the receipt of which is hereby acknowledged, WLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas of business in Houston, Texas, (hereinafter HPDC), and to its insfer and hereby assign and transfer to HPDC, its successors and ing the right of priority, in, to and under an application for Patent
METHOD OF PREPARIN	G TEST SAMPLES	
Filing Date:		Application No.:
divisionals, and renewals	of and substitutes for sa	herein, and any and all continuations, continuations-in-part (C-I-P's), id application for said Patent, and any and all other Patent of any therefore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, a	assigns, nominees or leg a granted, reissued or ex	ions in my/our name for Patent in any country, to be held and enjoyed at representatives, to the full end of the term or terms for which said tended, as fully and entirely as the same would have been held and not been made;
executed and will not executime a request is made, and perfect the title to said invertioning or legal represer said invention(s) or improve papers, to execute all discrightful oaths and declarationing is representatives to ob-	ate any agreement in con I without undue delay, ex officing) or improvement(a flatives, and thwe agree to ament(s), said application paimers and divisionals, officials, and generally to do en tain and enforce, for its	In the convey the entire interest herein assigned, and that I/we have not flict herewith, and I/we further covenant and agree that I/we will, each ecute and deliver all such papers as may be necessary or desirable to it, said application and said Patent, to HPDC, its successors, assigns, a communicate to HPDC, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawful confinuations, C-I-P's, reissue, and foreign applications, to make all verything possible to aid HPDC, its successors, assigns, nominees and or their own benefit, proper patent protection for said invention(s) or expenses which may be incurred by me/us in lending such cooperation.
applications as aforesaid, t	o issue to HPDC, as ass nt(s) which may be issu	icial of any country or countries whose duty it is to issue patents on ignes of the entire right, title and interest, any and all Patent for said sed and granted on or as a result of the application aforesaid, in
I'we further authorize application for Patent, now known to them.	and direct the attorneys identified by the Record II	of record to insert the filing date and application number of said I and title set forth above, as soon as the same shall have been made
and the second		y/our hand(s) and seal(s): 7-21-16 Date
Michael W.	Cumbie	
First/Middle Name	Last Name	
Inventor's Signature		Date
Devin Alexander	Mourey	
First/Middle Name	Last Name	

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PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	84490237	
	ASSIGNMENT OF PATENT APPLICATION (cont.)			
nventor's Signature				
Si-lam	Choy			
First/Middle Name	Last Name			
nventor's Signature				
	Last Name			
nventor's Signature		Date		
First/Middle Name	Last Name			
nventor's Signature		Date		
First/Middle Name	Last Name			
nventor's Signature		Date		
First/Middle Name	Last Name			
nventor's Signature		Date		
First/Middle Name	Last Name			

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

PATENT APPLICATION

RECORD ID:	84490237

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:

METHOD OF PREPARING TEST SAMPLES	
Filing Date:	Application No.:
divisionals, and renewals of and substitutes for said app	i, and any and all continuations, continuations-in-part (C-I-P's), dication for said Patent, and any and all other Patent of any ore, and any reissues, or reexaminations, or extensions of said

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
Michael W.	Cumbie		
First/Middle Name	Last Name		
			76216
Inverior's Signature	/		Date
Devin Alexander	Mourey		
First/Middle Name	Last Name		e ⁴
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PATENT APPLICATION

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dita			
Inventor's Signature		Date /	2,2016
Si-lam	Choy	······································	
First/Middle Name	Last Name		
Inventor's Signature		Date	····
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