#### 504890094 04/27/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4936835

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TONG ZHANG	06/01/2015
GEORGIA KOUTRIKA	06/01/2015
JERRY J LIU	06/01/2015
STEVEN J SIMSKE	06/02/2015

#### **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:	15559020

## **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:	84677069
NAME OF SUBMITTER:	ALBA ESCOBAR
SIGNATURE:	/alba.escobar@hp.com/
DATE SIGNED:	04/27/2018

# **Total Attachments: 3**

source=assignment-Fully executed 069#page1.tif source=assignment-Fully executed 069#page2.tif

> **PATENT REEL: 045659 FRAME: 0790** 504890094

source=assignment-Fully executed 069#page3.tif

PATENT REEL: 045659 FRAME: 0791

-	HEWLETT-PACKARD COMPANY
	Intellectual Property Administrator
	3404 E. Harmony Road
	Mail Stop 35
	Fort Collins, Colorado 80528

m	×	~ C.	**	A	2	m	10	À	~	^		¢
м	w	TEN		-	~	<b>-1</b>	.88.2	23		6.1	N	ĕ

RECORD ID:	700220884
------------	-----------

## **ASSIGNMENT OF PATENT APPLICATION**

I/We, the undersigned (each), for good and valuable cons and in furtherance of my/our obligations to HEWLETT-PA Limited Partnership having its principal place of business subsidiaries and affiliates, agree to assign and transfer and h assigns, the entire right, title and interest, including the righ entitled:	CKARD DEVELOPMENT COMPANY, L.P., a Texas in Houston, Texas, (hereinafter HPDC), and to its ereby assign and transfer to HPDC, its successors and
KEYFRAME ANNOTATION	
Filing Date:	Application No.:
and the invention(s) and improvement(s) set forth therein, and divisionals, and renewals of and substitutes for said application countries thereto which may be granted thereon or therefore; a Patent.	on for said Patent, and any and all other Patent of any
I/we additionally authorize HPDC to file applications in my/o by HPDC, its successors, assigns, nominees or legal represent Patent respectively may be granted, reissued or extended, as t enjoyed by me/us had this assignment, and transfer not been ma	atives, to the full end of the term or terms for which said fully and entirely as the same would have been held and
AND I/we hereby covenant that I/we have full right to convey executed and will not execute any agreement in conflict herewith time a request is made, and without undue delay, execute and diperfect the title to said invention(s) or improvement(s), said application and said properties or legal representatives, and I/we agree to communicate said invention(s) or improvement(s), said application and said Properties, to execute all disclaimers and divisionals, continuation rightful paths and declarations, and generally to do everything and legal representatives to obtain and enforce, for its or their over improvement(s) in any and all countries provided the expendit cooperation and assistance are paid by HPDC;	n, and I/we further covenant and agree that I/we will, each eliver all such papers as may be necessary or desirable to ication and said Patent, to HPDC, its successors, assigns, ate to HPDC, or to its nominee, all known facts respecting atent, to testify in any legal proceedings, to sign all lawful ins, C-I-P's, reissue and foreign applications, to make all possible to aid HPDC, its successors, assigns, nominees we benefit, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any applications as aforesaid, to issue to HPDC, as assignee of the invention(s) or improvement(s) which may be issued and gra accordance with the terms of this assignment.	entire right, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record application for Patent, now identified by the Record ID and title se known to them.	
IN WITNESS WHEREOF, I/we hereunto set my/our hand	l(s) and seal(s):
for god	6/1/15
Inventor's Signature	Date
Tong Zhang	
First/Middle Name Last Name	***************************************
Chmo	6/1/2015
Inventor s Signature	Date
// Georgia Koutrika	•
First/Middle Name Last Name	··············
Rev 8/2014 (Assignment) Page 1 of	2

**PATENT** REEL: 045659 FRAME: 0792 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

## PATENT APPLICATION

Mail Stop 35		RECORD ID:	700220884
Fort Collins, Colorado 80528			
	ASSIGNMENT OF PA	TENT APPLICATION (co	nt.)
			6-1-2015
Inventor's Signature	Marine Marine	Date	<u> </u>
Wischer & Allerance		Date	
Jerry J	Liu		
First/Middle Name	Last Name	A CONTRACTOR OF THE PROPERTY.	
In a shade of the shade			·····
Inventor's Signature		Date	
Steven J	Simske		
First/Middle Name	Last Name	***************************************	
Inventor's Signature		Date	
First/Middle Name			
LIIDAMIOORE ISBITIE	Last Name		
Inventor's Signature	W	Date	
Management A. No. a. A.		***************************************	
First/Middle Name	Last Name		
·····		······································	
inventor's Signature		Date	
First/Middle Name	Last Name	***************************************	
Inventor's Signature	***************************************	Date	
			<i>*</i>
		***************************************	
First/Middle Name	Last Name		

Page 2 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Roed Mall Stop 35

## PATENT APPLICATION

Mall Stop 35 Fort Collins, Colorado 80528		RECORD ID:	700220884
Front Consist. Colorado 20025	annephaseeni	TENT APPLICATION (con	1.1
		amen's a transmission of the same	•••
Inventor's Signature		Date	
Jerry J	Liu		
First/Middle Name	Last Name	***************************************	
0	1		
the (	1.	2 5	une 2015
Inventor's Signature	Aerolle	Date	ane edis
		?see	
Steven J	Simske		
First/Middle Name	Last Name		
inventor's Signature		Date	***************************************
First/Middle Name	Last Name	WW. www. commence of the comme	
1 1130 SMOOTE NGIVE	Ph34 (400.4)G		
Inventor's Signature		Date	
First/Middle Name	Last Name	handarinansharya <b>waxaa</b>	
Inventor's Signature		Date	······
us et mac a millionnia		φαις	
	······································	·····	
First/Middle Name	Last Name		
Inventor's Signature		Date	***************************************
First/Middle Name	Last Name	***************************************	

Page 2 of 2

**RECORDED: 04/27/2018**