504406401 06/09/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SU WANG	10/23/2014
KAR-HAN TAN	10/28/2014
DIVYA SHARMA	10/27/2014
JIAN FAN	10/22/2014
JINMAN KANG	10/22/2014
YUN DAVID TANG	10/22/2014
DANIEL R TRETTER	10/23/2014

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	
PCT Number:	US2014062735	

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 35Address Line 2:INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84614190
NAME OF SUBMITTER:	ANN WEBSTER JESUS
SIGNATURE:	/Ann Webster Jesus/
DATE SIGNED:	06/09/2017

Total Attachments: 6 source=84614190assign#page1.tif source=84614190assign#page2.tif source=84614190assign#page3.tif source=84614190assign#page4.tif source=84614190assign#page5.tif source=84614190assign#page6.tif

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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:

assigns, the entire ri entitled:	ght, title and interest, including t	ne right of priority, in, to	and under an application for Patent
IMAGE DATA SEGN	MENTATION		
Filing Date: Oc	tober 28, 2014	Application No.:	PCT/US2014/062735
divisionals, and rene	wals of and substitutes for said a	pplication for said Patent,	uations, continuations-in-part (C-I-P's), and any and all other Patent of any reexaminations, or extensions of said
by HPDC, its success Patent respectively n	sors, assigns, nominees or legal re	presentatives, to the full e ed, as fully and entirely as	in any country, to be held and enjoyed nd of the term or terms for which said s the same would have been held and
executed and will not time a request is mad perfect the title to sain nominees or legal rep said invention(s) or in papers, to execute a rightful oaths and de- and legal representat improvement(s) in a	execute any agreement in conflict ie, and without undue delay, execut invention(s) or improvement(s), sa presentatives, and t/we agree to comprovement(s), said application and ill disclaimers and divisionals, controlled in the control of the cont	herewith, and I/we further and deliver all such paperaid application and said Parmunicate to HPDC, or to I said Patent, to testify in a timuations, C-I-P's, reissue rything possible to aid HPI their own benefit, proper p	herein assigned, and that I/we have not covenant and agree that I/we will, each its as may be necessary or desirable to tent, to HPDC, its successors, assigns, its nominee, all known facts respecting any legal proceedings, to sign all lawful and foreign applications, to make all DC, its successors, assigns, nominees patent protection for said invention(s) or a incurred by me/us in lending such
applications as afore- invention(s) or impro	said, to issue to HPDC, as assigne	e of the entire right, title a	es whose duty it is to issue patents on nd interest, any and all Patent for said result of the application aforesaid, in
I/we further auti application for Patent known to them.	norize and direct the attorneys of now identified by the Record ID an	record to insert the filing dittle set forth above, as s	date and application number of said oon as the same shall have been made
IN WITNESS W	HEREOF, I/we hereunto set my/o	ur hand(s) and seal(s):	
			123/2014
Inventor's Signature		Date	<u>, , , , , , , , , , , , , , , , , , , </u>
Su	Wang		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Kar Han	Tan		
First/Middle Name	Last Name	***************************************	
Rev 6/2014 (Assignment)	· Pa	age 1 of 2	

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RECORD ID: 83958868

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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by HPDC, its successors. Patent respectively may it	assigns, nominees or legal	ons in my/our name for Patent in any country, to be held and enjoy I representatives, to the full end of the term or terms for which signified, as fully and entirely as the same would have been held a of been made;
executed and will not exe time a request is made, an perfect the title to said invenimees or legal represe said invention(s) or impro papers, to execute all di- rightful oaths and declara and legal representatives	cute any agreement in conflict of without undue delay, exe- ention(s) or improvement(s), intatives, and t/we agree to vernent(s), said application a sclaimers and divisionals, c tions, and generally to do e to obtain and enforce, for its and all countries provided	It to convey the entire interest herein assigned, and that I/we have received the further covenant and agree that I/we will, eacute and deliver all such papers as may be necessary or desirable, said application and said Patent, to HPDC, its successors, assign communicate to HPDC, or to its nominee, all known facts respection and said Patent, to testify in any legal proceedings, to sign all law continuations, C-I-P's, reissue and foreign applications, to make everything possible to aid HPDC, its successors, assigns, nomined or their own benefit, proper patent protection for said invention(s) the expenses which may be incurred by me/us in lending su
applications as aforesaid,	to issue to HPDC, as assig ent(s) which may be issue	cial of any country or countries whose duty it is to issue patents ince of the entire right, title and interest, any and all Patent for si id and granted on or as a result of the application aforesaid,
		of record to insert the filing date and application number of sa and title set forth above, as soon as the same shall have been ma
IN WITNESS WHERE	OF, I/we hereunto set my	/our hand(s) and seal(s):
Inventor's Signature		Date
Su	Wang	
First/Middle Name	Last Name	
The state of the s	annum a	10/28/14 Date
Inventor's Signature		Date
Kar Han	Tan	
First/Middle Name	Last Name	
Rev 8/2014 (Assignment)		Page 1 of 2

PATENT APPLICATION

RECORD ID: 83958868

ASSIGNMENT OF PATENT APPLICATION (cont.)

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Daniel R.	Tretter	
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PATENT APPLICATION

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ASSIGNMENT OF PATENT APPLICATION (cont.)						
Inventor's Signature		Date				
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Jian	Fan					
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Page 2 of 2

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ASSIGNMENT OF PATENT APPLICATION (cont.)

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Divya	Sharma	
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Inventor's Signature		Date
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Inventor's Signature		Date
У Jinman	Kang	
First/Middle Name	East Name	
ymny	Z.	10/22/14
Inventor's Signature y. 1.	-	Date
pant Yun David	Tang	
First/Middle Name	Last Name	
Inventor's Signature		Date
Daniel R.	Tretter	
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	East Name	

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HEWLETT-PACKARD COMPANY

PATENT APPLICATION

Intellectual Property Administrator 3404 E. Harmony Road			PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	83958868
A	SSIGNMENT OF PATENT	APPLICATION (con	t.)
Inventor's Signature		Date	
Divya	Sharma		
First/Middle Name	Last Name		
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Jian	Fan		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Jinman	Kang		
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Inventor's Signature		Date	
David	Tang		
First/Middle Name	Last Name		
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Inventor's Signature		Date	
Daniel R.	Tretter	·····	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		

Rev 5/2014 (Assignment)

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