PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID M BERFANGER	04/27/2016
CHARLES JIA	04/27/2016
YIFENG WU	04/27/2016

RECEIVING PARTY DATA

Name:	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
Street Address:	10300 ENERGY DRIVE
City:	SPRING
State/Country:	TEXAS
Postal Code:	77389

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16066141

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	84979509
NAME OF SUBMITTER:	ANN WEBSTER JESUS
SIGNATURE:	/Ann Webster Jesus/
DATE SIGNED:	02/06/2019

Total Attachments: 3

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> **PATENT** REEL: 048255 FRAME: 0621 505316668

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

PATENT	APPLI	CATION
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84457845 RECORD ID:

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

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Filing Date:	April 28, 2016			ation No.:	PCT/US2016/029832
divisionals, and	renewals of and sub	ostitutes for sa	aid application for	said Patent	16/066141 nualions, continuations-in-part (C-I-P's), , and any and all other Patent of any or reexaminations, or extensions of said
by HPDC, its su Patent respectiv	iccessors, assigns, no	ominees or leg reissued or ex	ial representatives, itended, as fully an	to the full of	t in any country, to be held and enjoyed end of the term or terms for which said is the same would have been held and
executed and witime a request is perfect the title transminees or leg said invention(s) papers, to execuightful oaths and legal represental improvement(s)	ill not execute any aging made, and without un to said invention(s) or all representatives, and or improvement(s), so the all disclaimers and declarations, and gettives to obtain and e	reement in con ndue delay, ex improvement(s d i/we agree to aid application ad divisionals, inerally to do en nforce, for its	iflict herewith, and tecute and deliver as, said application of communicate to be and said Patent, to continuations, C-leverything possible to their own benefit	I/we further all such pape and said Pa HPDC, or to testify in Ps, reissue ald HPDC it, proper p	herein assigned, and that I/we have not covenant and agree that I/we will, each ars as may be necessary or desirable to atent, to HPDC, its successors, assigns, its nominee, all known facts respecting any legal proceedings, to sign all lawful a and foreign applications, to make all but its successors, assigns, nominees and atent protection for said invention(s) or ed by me/us in lending such cooperation
applications as a invention(s) or i	aforesaid, to issue to	HPDC, as ass may be issu	signee of the entire	right, title a	es whose duty it is to issue patents on and interest, any and all Patent for said result of the application aforesaid, in
					date and application number of said soon as the same shall have been made
IN WITNES	SS WHEREOF, I/we ha	ereunto set m	ny/our hand(s) and	d seal(s): Date	1/27/2016
David M.	Ве	rfanger		منع	
First/Middle Name	Las	t Name			
Inventor's Signatu	ıre			Date	
Charles	Jia				
First/Middle Name	Las	t Name		opera.	
Rev 8/2014 (Assignme	nt)		Page 1 of 2		

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Rev 8/2014 (Assignment)

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RECORD ID:	84457845

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:

		NON-UNIFORM BACKGROUND CONTENT
Filing Date:		Application No.:
divisionals, and renewals	of and substitutes for sai	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 Patent respectively may I	, assigns, nominees or lega	ons 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 ended, as fully and entirely as the same would have been held and ot been made;
executed and will not exe time a request is made, a perfect the title to said inv nominees or legal represe said invention(s) or impro- papers, to execute all di rightful oaths and declarat legal representatives to of improvement(s) in any and and assistance are paid b AND I/we hereby au applications as aforesaid, invention(s) or improvem accordance with the terms	cute any agreement in continuous delay, exercition(s) or improvement(s) entatives, and I/we agree to exement(s), said application sclaimers and divisionals, tions, and generally to do evolution and enforce, for its of all countries provided the ey HPDC; thorize and request the official to issue to HPDC, as assiment(s) which may be issued to this assignment.	ht to 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), said application and said Patent, to HPDC, its successors, assigns, communicate to HPDC, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawful continuations, 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 dicial of any country or countries whose duty it is to issue patents on ignee of the entire right, title and interest, any and all Patent for said ed and granted on or as a result of the application aforesaid, in the control of the original patents of the said and title set forth above, as soon as the same shall have been made.
known to them.	widentified by the Record II.	7 and the sectoria above, as soon as the same shall have been made
IN WITNESS WHER	EOF, I/we hereunto set m	y/our hand(s) and seal(s):
Inventor's Signature	and the second s	Date
David	Berfanger	
First/Middle Name	Last Name	
Charles	1	4/27/2016
Inventor's Signature		Date
Charles	Jià	
First/Middle Name	Last Name	

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Page 1 of 2

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Fort	Collins.	Color	ado 80	1528

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RE(CORD ID:	84457845
	ASSIGNMENT OF	PATENT APPL		
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Inventor's Signature			Date	. ••
Yifeng	Wu	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*	
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Inventor's Signature			Date	
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