01/15/2019 505279707

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5326479

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIN-LING WU	07/18/2016
YING FANG	07/18/2016
WEI-FEI CHANG	07/18/2016
QIANG TANG	07/19/2016

RECEIVING PARTY DATA

Name:	me: 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
PCT Number:	CN2016092223

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: 5417158443 Email: ipa.mail@hp.com

Correspondent Name: HP INC.

Address Line 1: 3390 E. HARMONY ROAD

Address Line 2: MAIL STOP 35

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	85024981
NAME OF SUBMITTER:	ANN WEBSTER JESUS
SIGNATURE:	/Ann Webster Jesus/
DATE SIGNED:	01/15/2019

Total Attachments: 4

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HP Inc.	l
3390 E. Harmony Road	l
Mail Stop 35	İ
Fort Collins, Colorado 80508	Į

85024981	
	PATENT APPLICATION

84499207 RECORD ID:

ASSIGNMENT OF PATENT APPLICATION

IWe, 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

			ransfer to HPDC, its successors and and under an application for Paten
ALIGNING A CARRIAGE	WITHIN A PRINTING DE	VICE	
Filing Date: Henewith	July 29, 2016	Application No.:	PCT/CN2016/092223
divisionals, and renewals	of and substitutes for said	application for said Patent,	uations, continuations-in-part (C-I-P's and any and all other Patent of an reexaminations, or extensions of sai
by HPDC, its successors, a	essigns, nominees or legal granted, reissued or exte	representatives, to the full ended, as fully and entirely as	in any country, to be held and enjoye nd of the term or terms for which sai the same would have been held an
executed and will not executime a request is made, and perfect the title to said invenominees or legal represensaid invention(s) or improve papers, to execute all discrightful oaths and declarationlegal representatives to ob-	the any agreement in conflit is without undue delay, execution(s), exition(s) or improvement(s), tatives, and I/we agree to coment(e), said application a daimers and divisionals, or ins, and generally to do eve tain and enforce, for its or all countries provided the ex	ct herewith, and I/we further of aute and deliver all such pape, said application and said Pal communicate to HPDC, or to and said Patent, to testify in a continuatione, C-I-P's, reissue rything possible to aid HPDC, their own benefit, proper pa	nerein assigned, and that I/we have no covernant and agree that I/we will, eac its as may be necessary or desirable to tent, to HPDC, its successors, assigna- tits nominee, all known facts respection my legal proceedings, to sign all lawful and foreign applications, to make a its successors, assigns, nominees an tent protection for said invention(s) of d by me/us in lending such cooperation
applications as aforesaid, to	o issue to HPDC, as assig nt(s) which may be issue	nee of the entire right, title ar	s whose duty it is to issue patents on the interest, any and all Patent for sai result of the application aforesaid, i
I/we further authorize application for Patent, now i known to them.	and direct the attorneys dentified by the Record ID	of record to insert the filing and title set forth above, as so	date and application number of sai on as the same shall have been mad
IN WITNESS WHEREC	DF, I/we hereunto set my/	our hand(s) and seal(s):	
it in the	S	'n	016/7/18
Inventor's Signature		Date	~ 10 / / // 0
Menn 4 Xm m. 1	***	, ex	•
Xin-Ling First/Middle Name	Wu	·	
riisuwiiddie Name	Last Name		
Inventor's Signature		Date	
Ying	Fang		
First/Middle Name	Last Name		
Rev 8/2014 (Assignment)		Page 1 of 2	

PATENT

REEL: 048015 FRAME: 0284

HP inc. 3390 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	84499207	
D-1	ASSIGNMENT OF PATENT			
apor		201	6.7.18	
Inventor's Signature		Date		
Wei-Fei	Chang	***************************************		
First/Middle Name	Last Name			
Inventor's Signature		Date		
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First/Middle Name	Last Name			
Inventor's Signature		Date		
First/Middle Name	Last Name	again again again		
Inventor's Signature		Date		******
First/Middle Name	Last Name			
Inventor's Signature		Date		
First/Middle Name	Last Name			
inventor's Signature		Date		
First/Middle Name	Last Name			

Page 2 of 2

Rev 8/2014 (Assignment)

HP Inc.	
3390 E. Harmony Road	
Mail Stop 35	
Fort Collins, Colorado 805	26

PATENT APPLICATION

0526	RECORD ID:	84499207

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, LP., a Texas

subsidiaries and affiliates	i, agree to assign and transfer and	s in Houston, Texas, (hereinafter HPDC), and to its hereby assign and transfer to HPDC, its successors and ht of priority, in, to and under an application for Patent
ALIGNING A CARRIAGI	E WITHIN A PRINTING DEVICE	
Filing Date: Herewith		Application No.:
divisionals, and renewals	of and substitutes for said applicat	d any and all continuations, continuations in part (C-I-P's), ion for said Patent, and any and all other Patent of any and any reissues, or reexaminations, or extensions of said
Patent respectively may b	assigns, nominees or legal represen	our name for Patent in any country, to be held and enjoyed tatives, to the full end of the term or terms for which said fully and entirely as the same would have been held and ade;
executed and will not exectime a request is made, an perfect the title to said invention or improve papers, to execute all disrightful caths and declaration legal representatives to obtain provement(s) in any and and assistance are paid by AND I/we hereby authapplications as aforesaid,	ute any agreement in conflict herewild without undue delay, execute and inition(s) or improvement(s), said applications, and live agree to community ement(s), said application and said claimers and divisionals, continuated ons, and generally to do everything potain and enforce, for its or their owall countries provided the expenses of HPDC; norize and request the official of any to issue to HPDC, as assignee of the int(s) which may be issued and greater the official of any to issue to HPDC, as assignee of the int(s) which may be issued and greater the official of any to issue to HPDC, as assignee of the int(s) which may be issued and greater the official of any to issue to HPDC.	y the entire interest herein assigned, and that I/we have not th, and I/we further covenant and agree that I/we will, each feliver all such papers as may be necessary or desirable to lication and said Patent, to HPDC, its successors, assigns, rate to HPDC, or to its nominee, all known facts respecting Patent, to testify in any legal proceedings, to sign all lawfulns, C-I-P's, reissue and foreign applications, to make all possible to aid HPDC, its successors, assigns, nominees and nobenefit, proper patent protection for said invention(s) or which may be incurred by measure in lending such cooperation country or countries whose duty it is to issue patents on a entire right, title and interest, any and all Patent for said anted 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 of record identified by the Record ID and title :	to insert the filing date and application number of said et forth above, as soon as the same shall have been made
IN WITNESS WHERE	OF, I/we hereunto set my/our han	d(s) and seal(s):
Inventor's Signature		Date
Xin-Ling	Wu	
First/Middle Name	Last Name	······································
na		2016/7/18
Inventor's Signature		Oute
Ying	Fang	
First/Middle Name	Last Name	···············
Rev 8/2014 (Assignment)	Page 1 o	· 2

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

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID: 84499207
	SSIGNMENT OF PATENT APPLICATION (cont.)	
Inventor's Signature		Date
Wei-Fei	Chang	
First/Middle Name	Last Name	
		20/(7. () Date
Inventor's Signature		Date
Qiang	Tang	
First/Middle Name	East Name	
Inventor's Signature		Date
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First/Middle Name	Last Name	
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Inventor's Signature		Date
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Inventor's Signature	,	Date
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Rev 8/2014 (Assignment):	Page 2 of 2	2