PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4912521

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BOR-JIUNN NIU	12/23/2014
SILKE COURTENAY	12/23/2014
JOHN GARDNER	12/23/2014

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		
Application Number:	15951533		

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:	84942644
NAME OF SUBMITTER:	GARY P. OAKESON
SIGNATURE:	/Gary P. Oakeson/
DATE SIGNED:	04/12/2018

Total Attachments: 3

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PATENT 504865781 REEL: 045521 FRAME: 0621

HEWLETT-PACKARD COMPANY

Rev 8/2014 (Assignment)

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ASIGNMENT OF PATENT APPLICATION I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowled and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Touristed Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Partnership Date: Application No.: Application No.: and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-Idvisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent or countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of Patent. I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by me/us had this assignment, and transfer not been made;	
ASSIGNMENT OF PATENT APPLICATION I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowled and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Table Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Parentitled: COATED PRINT MEDIUM Filing Date: Application No.: and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-Idvisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of Patent. I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoy HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held.	
ASSIGNMENT OF PATENT APPLICATION I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowled and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Touritied Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and for subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patential Control PRINT MEDIUM Filing Date: Application No.: and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-Idvisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent or countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of Patent. I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoy HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held.	
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	said
AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desiral perfect the title to said invention(s) or improvement(s), said application and said Patent, to HPDC, its successors, assominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts responsible invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all I papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nom and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending cooperation and essistance are paid by HPDC;	each ble to signs, ecting awful ke all inees (s) or
AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue paten applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patent for invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesa accordance with the terms of this assignment.	rsaid id, ìn
I/wo further authorize and direct the attorneys of record to insert the filing date and application number of application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been known to them.	said nade
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):	
By. N	
Inventor's Signature Date	
Bor-Jiunn Niu	
First/Middle Name Last Name	
Inventor's Signature Date	
Siike Courtenay	
First/Middle Name Last Name	

Page 1 of 2

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

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RECORD ID:	84114218
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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

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			gn and transfer to HPDC, its successors and /, in, to and under an application for Patent
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Filing Date:		Application	n No.:
divisionals, and renewals of an	d substitutes for said ap	plication for said	ill continuations, continuations-in-part (C-I-P's), Patent, and any and all other Patent of any sues, or reexaminations, or extensions of said
by HPDC, its successors, assign	ns, nominees or legal rep nted, reissued or extende	resentatives, to t d, as fully and er	r Patent in any country, to be held and enjoyed he full end of the term or terms for which said ntirely as the same would have been held and
executed and will not execute are time a request is made, and with perfect the title to said inventions nominees or legal representative said invention(s) or improvemen papers, to execute all disclaime rightful oaths and declarations, and legal representatives to obta	ny agreement in conflict he nout undue delay, execute (s) or improvement(s), sales, and I/we agree to com- t(s), said application and sers and divisionals, continuand generally to do every ain and enforce, for its or to countries provided the	erewith, and I/we and deliver all sud application and municate to HPD said Patent, to tenuations, C-I-P's, whing possible to heir own benefit,	interest herein assigned, and that I/we have not further covenant and agree that I/we will, each ch papers as may be necessary or desirable to said Patent, to HPDC, its successors, assigns, C, or to its nominee, all known facts respecting stify in any legal proceedings, to sign all lawful reissue and foreign applications, to make all aid HPDC, its successors, assigns, nominees proper patent protection for said invention(s) or may be incurred by me/us in lending such
applications as aforesaid, to issu	ue to HPDC, as assignee which may be issued a	of the entire righ	countries whose duty it is to issue patents on it, title and interest, any and all Patent for said r as a result of the application aforesaid, in
I/we further authorize and application for Patent, now identiknown to them.	direct the attorneys of refied by the Record ID and	ecord to insert the title set forth abo	ne filing date and application number of said ve, as soon as the same shall have been made
IN WITNESS WHEREOF, I/	we hereunto set my/ou	r hand(s) and se	al(s):
Inventor's Signature		Ē	Date
Bor-Jiunn	Niu		
First/Middle Name	Last Name	J	
Just Al	of		12/23/14
Inventor's Signature		Ţ	Date
Silke	Courtenay		
First/Middle Name	Last Name		

Page 1 of 2

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator

PATENT APPLICATION

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Fort Collins, Colorado 80528	J			
	ASSIGNMENT OF	PATENT APPL	ICATION (con	t.)
MA et al.			· 47	0011
The town		***************************************	12-25	,-2014
Inventor's Signature			Date	
John	Gardner			
First/Middle Name	Last Name			
First/Middle Name	rust ivaine			
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