# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3105230

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ZHANG-LIN ZHOU	01/25/2012
QIN LIU	01/25/2012
GREGG COMBS	01/27/2012
JAMES R OWEN	01/27/2012

### **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:	14373363

### **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: HEWLETT-PACKARD COMPANY Address Line 1: 3404 E. HARMONY ROAD MS 35

Address Line 2: INTELLECTUAL PROPERTY ADMINISTRATION

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	83985327
NAME OF SUBMITTER:	JOANNA KEYT
SIGNATURE:	/Joanna Keyt/
DATE SIGNED:	11/12/2014

# **Total Attachments: 6**

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PATENT REEL: 034157 FRAME: 0027 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

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### **ASSIGNMENT OF PATENT APPLICATION**

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston,

Taxes. (hereinafter HPDC), in furtherance of my/our subsidiaries and affiliates, and do hereby assign and transl title and interest, including the right of priority, in, to and ur entitled:	fer to HPDC, its successors and assigns, the entire right,
MULTI-STABLE ELECTRONIC INKS	
held and enjoyed by HPDC, its successors, assigns, nominaterms for which said Letters Patent respectively may be graine would have been held and enjoyed by me/us had this AND I/we hereby covenant that I/we have full right we have not executed and will not execute any agreement that I/we will, each time a request is made, and without und necessary or desirable to perfect the title to said invention Patent, to HPDC, its successors, assigns, nominees or letters Patent, to testify in any legal proceedings, to sign all continuations, C-I-P's, reissue and foreign applications, to do everything possible to aid HPDC, its successors, assenforce, for its or their own benefit, proper patent protection countries provided the expenses which may be incurred by paid by HPDC,  AND I/we hereby authorize and request the Command any official of any country or countries foreign to the applications as aforesaid, to issue to HPDC, as assignee Patent for said invention(s) or improvement(s), including as the issued and granted on or as a result of the application of the section	application for said Letters Patent, and any and all Letters ato which may be granted thereon or therefore; and any batent. The in my/our name for Letters Patent in any country, to be nees or legal representatives, to the full end of the term or ranted, reissued or extended, as fully and entirely as the assignment, and transfer not been made; if to convey the entire interest herein assigned, and that I/ in conflict herewith, and I/we further covenant and agrae due delay, execute and deliver all such papers as may be n(s) or improvement(s), said application and said Letters egal representatives, and I/we agree to communicate to invention(s) or improvement(s), said application and said I lawful papers, to execute all disclaimers and divisionals, make all rightful paths and declarations, and generally to igns, nominees and legal representatives to obtain and on for said invention(s) or improvement(s) in any and all by me/us in lending such cooperation and assistance are nissioner of Patenis and Trademarks of the United States he United States whose duty it is to issue patents on of the entire right, title and interest, any and all Letters ny and all Letters ny and all Letters ny and all Letters ny and all Letters are formed to insert the serial number and filing date of said orth above as soon as the same shall have been made.
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Zhang-Lin Zhou	01-25-2012
Inventor's Typed Name	Date Application Signed
nventor's Signatura	Date Assignment Signed
Qin Liu	
nventor's Typed Name	Date Application Signed

**PATENT REEL: 034157 FRAME: 0028**  HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3464 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

# PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID: 82829651			
ASSIGNMENT OF PATENT APPLICATION (cont.)				
inventor's Signature	Date Assignment Signed			
Gregg Combs Inventor's Typed Name	Date Application Signed			
Inventor's Signature	Date Assignment Signed			
James R Owen Inventor's Typed Name	Date Application Signed			
Inventor's Signature	Date Assignment Signed			
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Page 2 of 2

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

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# ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do 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 Letters Patent of the United States entitled:

title and interest, including the right of priority, in, to and un entitled:	ider an application for Letters Patent of the United States
MULTI-STABLE ELECTRONIC INKS	
Filing Date: Jan 24, 2012	Application No.: PCT/US2012/022397
held and enjoyed by HPDC, its successors, assigns, nomin terms for which said Letters Patent respectively may be greater same would have been held and enjoyed by me/us had this AND I/we hereby covenant that I/we have full right we have not executed and will not execute any agreement that I/we will, each time a request is made, and without und necessary or desirable to perfect the title to said invention Patent, to HPDC, its successors, assigns, nominees or letters Patent, to testify in any legal proceedings, to sign all continuations, C-I-P's, reissue and foreign applications, to ridd everything possible to aid HPDC, its successors, assignenforce, for its or their own benefit, proper patent protectic countries provided the expenses which may be incurred by paid by HPDC;  AND I/we hereby authorize and request the Command any official of any country or countries foreign to the applications as aforesaid, to issue to HPDC, as assignee Patent for said invention(s) or improvement(s), including arbe issued and granted on or as a result of the application and I/we further authorize and direct the attorneys of application now identified by the Record ID and title set followed to the patent and Trademark (shown to them by the United States Patent and Trademark).	pplication for said Letters Patent, and any and all Letters ato which may be granted thereon or therefore; and any atent.  It is in my/our name for Letters Patent in any country, to be sees or legal representatives, to the full end of the term of ranted, reissued or extended, as fully and entirely as the assignment, and transfer not been made; to convey the entire interest herein assigned, and that to in conflict herewith, and I/we further covenant and agree the delay, execute and deliver all such papers as may be also or improvement(s), said application and said Letters and representatives, and I/we agree to communicate to invention(s) or improvement(s), said application and said I lawful papers, to execute all disclaimers and divisionals, make all rightful oaths and declarations, and generally to gns, nominees and legal representatives to obtain and on for said invention(s) or improvement(s) in any and all y me/us in lending such cooperation and assistance are tissioner of Patents and Trademarks of the United States be United States whose duty it is to issue patents on of the entire right, title and interest, any and all Letters by and all Letters Patent of the United States which may oresaid, in accordance with the terms of this assignment record to insert the serial number and filing date of said orth above as soon as the same shall have been made Office.
inventor's Signature	Date Assignment Signed
Zhang-Lin Zhou	
Inventor's Typed Name	Date Application Signed
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Um Um	Jan 25,2012
Inventor's Signature	Date Assignment Signed
Qin Liu	Jan. 25, 2012
Inventor's Typed Name	Date Application Signed

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Page 1 of 2

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

### PATENT APPLICATION

Fort Collins, Colorado 80528	RECORD ID: 82829651
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inventor's Signature	
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James R Owen	
Inventor's Typed Name	Date Application Signed
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nventor's Signature	Date Assignment Signed

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Inventor's Typed Name

Date Application Signed

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# PATENT APPLICATION

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DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do 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 Letters Patent of the United States entitled:		
MULTI-STABLE ELECTRONIC INKS		
Application of the invention(s) and improvement(s) set forth therein, and any are P's), divisionals, and renewals of and substitutes for said application of Patent of the United States and of countries foreign thereto which meissues, or reexaminations, or extensions of said Letters Patent.  I/we additionally authorize HPDC to file applications in my/ou held and enjoyed by HPDC, its successors, assigns, nominees or legaterms for which said Letters Patent respectively may be granted, reissame would have been held and enjoyed by mel/us had this assignment.  AND I/we hereby covenant that I/we have full right to convey we have not executed and will not execute any agreement in conflict that I/we will, each time a request is made, and without undue delay, necessary or desirable to perfect the title to said invention(s) or important, to HPDC, its successors, assigns, nominees or legal representation to HPDC, its successors, assigns, nominees or legal representation. The patent, to testify in any legal proceedings, to sign all lawful pay continuations, C-I-P's, reissue and foreign applications, to make all right of everything possible to aid HPDC, its successors, assigns, nomineerore, for its or their own benefit, proper patent protection for said countries provided the expenses which may be incurred by melus in paid by HPDC.  AND I/we hereby authorize and request the Commissioner or and any official of any country or countries foreign to the United applications as aforesaid, to issue to HPDC, as assignee of the ent Patent for said invention(s) or improvement(s), including any and all the issued and granted on or as a result of the application aforesaid, in I/we further authorize and direct the attorneys of record to application now identified by the Record ID and title set forth above known to them by the United States Patent and Trademark Office.	or said Letters Patent, and any and all Letters hay be granted thereon or therefore; and any representatives, to the full end of the term or sued or extended, as fully and entirely as the nt, and transfer not been made; the entire interest herein assigned, and that I/herewith, and I/we further coverant and agree execute and deliver all such papers as may be rovement(s), said application and said been to execute and I/we agree to communicate to or improvement(s), said application and said pers, to execute all disclaimers and divisionals, ghtful caths and declarations, and generally to the end of the ending such cooperation and assistance are I Patents and Trademarks of the United States States whose duty it is to issue patents on ire right, tille and interest, any and all Letters Letters Patent of the United States which may accordance with the terms of this assignment, insert the serial number and filing date of said	
inventor's Signature	Date Assignment Signed	
Zhang-Lin Zhou Inventor's Typed Name	Date Application Signed	
Inventor's Signature	Date Assignment Signed	
Qin Liu Invenior's Typed Name	Date Application Signed	

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

#### PATENT APPLICATION

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Jame K. Ohen	1-27-2012
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**RECORDED: 11/12/2014**