## 502781685 04/24/2014

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2828281

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
DI LIANG	10/28/2011
RAYMOND G. BEAUSOLEIL	10/28/2011

### **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:	14353995

### CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

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Correspondent Name: HEWLETT-PACKARD COMPANY INTELLECTUAL PRO

Address Line 1: 3404 E. HARMONY ROAD

Address Line 2: MAIL STOP 35

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	83883386
NAME OF SUBMITTER:	DEBORAH HIGHAM
SIGNATURE:	/Deborah Higham/
DATE SIGNED:	04/24/2014

**Total Attachments: 2** 

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PATENT 502781685 REEL: 032750 FRAME: 0398

**REWLETT-PACKARO COMPANY** intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fert Collins, Colorado 80528

PATENT APPLICATION

RECORD ID:

### 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 piece 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 easign and transfer to title and interest, including the right of priority, in, to and under entitled:	O HPDC, its successors and lessigns, the entire right, an application for Letters Patent of the United States
DEVICES INCLUDING A DIAMOND LAYER	*
Filing Date: As	oplication No.:
and the invention(s) and improvement(s) set forth therein, and P's), divisionals, and renewals of and substitutes for said applications, of the United States and of countries foreign theretor releases, or reexaminations, or extensions of said Letters Pater I/ws additionally authorize HPDC to file applications in held and enjoyed by HPDC, its successors, assigns, nominees terms for which said Letters Patent respectively may be grant same would have been held and enjoyed by me/us had this as AND I/we hereby covenant that I/we have full right to we have not executed and will not execute any agreement in that I/we will, each time a request is made, and without undus necessary or destrable to perfect the titls to said invention(s) Patent, to HPDC, its successors, assigns, nominees or legal HPDC, or to its nominee, all known facts respecting said inventions. Letters Patent, to testify in any legal proceedings, to sign all is continuations. C-I-P's, reissue and foreign applications, to made everything possible to aid HPDC, its successors, assign anforce, for its or their own benefit, proper patent protection countries provided the expenses which may be incurred by really HPDC;  AND I/we hereby authorize and request the Commissional and any official of any country or countries foreign to the applications as aforesaid, to issue to HPDC, as assignes of Patent for said invention(s) or improvement(s), including any he issued and manted on or as a result of the scolication afortions.	I any and all continuations, continuations-in-part (C-loation for said Letters Patent, and any and all Letters which may be granted thereon or therefore; and any nt.  I my/our name for Letters Patent in any country, to be to riegal representatives, to the full end of the term or ad, released or extended, as fully and entirely as the eignment, and transfer not been made;  convey the entire interest herein assigned, and that if conflict herewith, and if we further coverent and agree delay, execute and deliver all such papers as may be or improvement(s), said application and said Letters in representatives, and I/we agree to communicate to entirely or improvement(s), said application and said setters while papers, to execute all discissimers and divisionals to an injury to execute all declarations, and generally to a, hominees and legal representatives to obtain and for said invention(s) or improvement(s) in any and all ne/us in lending such cooperation and assistance are some of Patents and Trademarks of the United States. United States whose duty it is to issue patents on the entire right, title and interest, any and all Letters Patent of the United States which may avaid it necordance with the terms of this assignment cord to insert the serial number and filling date of said habove as soon as the same shall have been made
Disting	Oct. 28,2011
Inventor's Signature	Date Assignment Signed
	018.28,2011
Di Liang Invaniora Typed Name	Date Application Signed
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inventor's Signature	Date Assignment Signed
Raymond G Beausciell	
Inventor's Typed Name	Data Application Signed
Rev 06/11 (Assignment) Page 1 of	

**PATENT REEL: 032750 FRAME: 0399**  HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

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RECORD ID:	82857874

### 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:			
DEVICES INCLUDING A DIAMOND LAYER			
Filing Date: Applical	ion No		
and the invention(s) and improvement(s) set forth therein, and any a P's), divisionals, and renewals of and substitutes for said application. Patent of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters Patent.  I/we additionally authorize HPDC to file applications in my/o held and enjoyed by HPDC, its successors, assigns, nominees or leg terms for which said Letters Patent respectively may be granted, reissame would have been held and enjoyed by me/us had this assignme.  AND I/we hereby covenant that I/we have full right to conve 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 impatent, to HPDC, its successors, assigns, nominees or legal repre HPDC, or to its nominee, all known facts respecting said invention(s) Letters Patent, to testify in any legal proceedings, to sign all lawful pacontinuations, C-I-P's, reissue and foreign applications, to make all indo everything possible to aid HPDC, its successors, assigns, nomenforce, for its or their own benefit, proper patent protection for said countries provided the expenses which may be incurred by me/us in paid by HPDC;  AND I/we hereby authorize and request the Commissioner of and any official of any country or countries foreign to the United applications as aforesaid, to issue to HPDC, as assignee of the en Patent for said invention(s) or improvement(s), including any and all be 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.	for said Letters Patent, and any and all Letters may be granted thereon or therefore; and any ur name for Letters Patent in any country, to be tal representatives, to the full end of the term or ssued or extended, as fully and entirely as the ent, and transfer not been made; y the entire interest herein assigned, and that I/herewith, and I/we further covenant and agree execute and deliver all such papers as may be provement(s), said application and said Letters sentatives, and I/we agree to communicate to or improvement(s), said application and said pers, to execute all disclaimers and divisionals, ightful oaths and declarations, and generally to inees and legal representatives to obtain and it invention(s) or improvement(s) in any and all invention(s) or improvement(s) in any and all hending such cooperation and assistance are of Patents and Trademarks of the United States States whose duty it is to issue patents on tire right, title 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 as soon as the same shall have been made		
Inventor's Signature	Date Assignment Signed		
Di Liang Inventor's Typed Name	Date Application Signed		
Inventor's Signature	20// - / O - 28 Date Assignment Signed		
Raymond G Beausoleil	2011-10-28		
Inventor's Typed Name	Date Application Signed		

Rev 09/11 (Assignment)

RECORDED: 04/24/2014

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**PATENT REEL: 032750 FRAME: 0400**