#### 501836434 02/29/2012

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Robert Campbell	03/22/2010
Bradley Suggs	03/22/2010
John P McCarthy	03/22/2010

## 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:	13387103

### CORRESPONDENCE DATA

Fax Number: (970)778-4063 Phone: (541)715-8443 Email: terri.tuma@hp.com

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

Correspondent Name: Hewlett-Packard Company 3404 E. Harmony Road MS 35 Address Line 1: Address Line 2: Intellectual Property Administration Fort Collins, COLORADO 80528 Address Line 4:

NAME OF SUBMITTER: Be Henry

### Total Attachments: 4

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REEL: 027782 FRAME: 0047

**PATENT** 

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400 PATENT APPLICATION

ATTORNEY DOCKET NO.

200904926

ASSIGNMENT OF PA  I/We, the undersigned (each) have agreed DEVELOPMENT COMPANY, L.P., a Texas Limited Partn Texas, (hereinafter HPDC), in furtherance of my/our subsidiaries and affiliates, and do hereby assign and trans title and interest, including the right of priority, in, to and u entitled: ASSOCIATED FILE	and hereby agree to assign to HEWLETT-PACKARD tership having its principal place of business in Houston; obligations to the Hewlett-Packard Company and its fer to HPDC, its successors and assigns, the entire right.
Filing Date:	Application No.:
and the invention(s) and improvement(s) set forth therein. P's), divisionals, and renewals of and substitutes for said a Patent of the United States and of countries foreign their reissues, or reexaminations, or extensions of said Letters if I/we additionally authorize HPDC to file application held and enjoyed by HPDC, its successors, assigns, nominaterms for which said Letters Patent respectively may be geame would have been held and enjoyed by me/us had the 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 un necessary or desirable to perfect the title to said invention Patent, to HPDC, its successors, assigns, nominees or HPDC, or to its nominee, all known facts respecting said Letters Patent, to testify in any legal proceedings, to sign a continuations, C-I-P's, reissue and foreign applications, to do everything possible to aid HPDC, its successors, assignforce, for its or their own benefit, proper patent protect countries provided the expenses which may be incurred a paid by HPDC.  AND I/we hereby authorize and request the Command any official of any country or countries foreign to applications as aforesaid, to issue to HPDC, as assigned Patent for said invention(s) or improvement(s), including a be issued and granted on or as a result of the application at I/we further authorize and direct the attorneys of application now identified by the attorney docket number.	and any and all centinuations, continuations-in-part (C-I- application for said Letters Patent, and any and all Letters eto which may be granted thereon or therefore, and any Patent.  In sin my/our name for Letters Patent in any country, to be nees or legal representatives, to the full end of the term or pranted, reissued or extended, as fully and entirely as the s assignment, and transfer not been made; into convey the entire interest herein assigned, and that I/ is no conflict herewith, and I/we further covenant and agree due delay, execute and deliver all such papers as may be in(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 all lawful papers, to execute all disclaimers and divisionals, make all rightful daths and declarations, and generally to signs, nominees and legal representatives to obtain and ion for said invention(s) or improvement(s) in any and all by me/us in lending such cooperation and assistance are missioner of Patents and Trademarks of the United States the United States whose duty it is to issue patents on a of the entire right, title and interest, any and all Letters any and all Letters Patent of the United States which may aforesaid, in accordance with the terms of this assignment. If record to insert the serial number and filing date of said and title set forth above as soon as the same shall have
been made known to them by the United States Patent and IN WITNESS WHEREOF, liwe hereunto set my/our h	The first of the control of the cont
Invertior's Signature (Seat)	
Robert Campbell Inventor's Typed Name	∭o, j∖ 77 vot (a Date Application Signed
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Page 1 of 2

known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of

)

, personally appeared

Notary Public My Commission Expires:

Robert Campball

Rev 10/08 (Assignment)

Sefore me this \_\_\_\_day of \_

assignment to be his/her free act and deed.

County of

who is personally

HEWLETT PACKARD COMPANY intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

Pay 10/08 (Assignment)

#### PATENT APPLICATION

ATTORNEY DOCKET NO.

200904926

### **ASSIGNMENT OF PATENT APPLICATION (cont.)**

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): EL MAR 2010 inventor's Signature (Seal) Date Assignment Signed LL MAN Bradley Suggs inventor's Typed Name. Date Application Signed State of ) 55 County of , personally appeared Bradley Suggs who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed Notery Public My Commission Expelsis. Inventor's Signature (Seal) Date Assignment Signed John P. McCarthy Inventor's Typed Name Date Application Signed State of ) 38 County of Before me this , personally appeared John P. McCarthy known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed, Notary Public. My Commission Expires **Date Assignment Signed** Inventor's Signature (Seat) inventor's Typed Name **Date Application Signed** County of 1 Sefore me this \_\_\_\_day of , personally appeared who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed Notary Public My Commission Expires:

Page 2 of 2

PATENT REEL: 027782 FRAME: 0049 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

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RECORD ID:	82262132

#### 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:

ASSOCIATED FILE Filing Date: Application No.: and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-l-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/ we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment. I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the Record ID and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office. Inventor's Signature Date Assignment Signed Robert Campbell Inventor's Typed Name **Date Application Signed** Inventor's Signature **Date Assignment Signed** 

Rev 09/11 (Assignment) Page 1 of 2

**Bradley Neal Suggs** Inventor's Typed Name

Date Application Signed

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

### **PATENT APPLICATION**

ATTORNEY DOCKET NO. \_\_\_\_\_\_200904926

# ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

			**
Inventor's Signature (Seal)		Date Assignment Signed	
Bradley Suggs			
Inventor's Typed Name		Date Application Signed	
State of	Y		
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County of	)		
Before me this day of	, personally appeared	Bradley Suggs	who is personally
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Rev 19/08 (Assignment)	Page 2 of 2	My Commission Expires	
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**PATENT** REEL: 027782 FRAME: 0051