### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

### **CONVEYING PARTY DATA**

Name	Execution Date
Belgie B. McClelland	06/28/2013
Shab H. Madina	06/28/2013
Gregory A. Starks	06/30/2013
Ming-Jen Hsin	06/30/2013
James J. Ganthier	07/19/2013
Andrew M. Bauman	06/28/2013

### **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:	29460123

## **CORRESPONDENCE DATA**

Fax Number: 9707784063

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: pto.assignments@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

NAME OF SUBMITTER: Christopher R. Rogers

> **PATENT REEL: 030849 FRAME: 0368**

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Signature:	/Christopher R. Rogers, Reg. No. 59,664/
Date:	07/22/2013
Total Attachments: 6 source=Signed_Assignment_for_83273845 source=Signed_Assignment_for_83273845 source=Signed_Assignment_for_83273845 source=Signed_Assignment_for_83273845 source=Signed_Assignment_for_83273845 source=Signed_Assignment_for_83273845	_HPQB-0633_CPDF#page2.tif _HPQB-0633_CPDF#page3.tif _HPQB-0633_CPDF#page4.tif _HPQB-0633_CPDF#page5.tif

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	RECORD ID:	83273845	

## ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the

receipt of which is hereby acknowledged, and in furtherance of DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership hav Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to as assigns, the entire right, title and interest, including the right of prior entitled:	ring its principal place of business in Houston. sign and transfer to HPDC, its successors and
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and the invention(s) and improvement(s) set forth therein, and any and divisionals, and renewals of and substitutes for said application for sa countries thereto which may be granted thereon or therefore; and any repatent.	id Patent, and any and all other Patent of any
I/we additionally authorize HPDC to file applications in my/our name by HPDC, its successors, assigns, nominees or legal representatives, to Patent respectively may be granted, reissued or extended, as fully and enjoyed by me/us had this assignment, and transfer not been made;	the full end of the term or terms for which said
AND t/we hereby covenant that I/we have full right to convey the entirexecuted and will not execute any agreement in conflict herewith, and I/ve time a request is made, and without undue delay, execute and deliver all perfect the title to said invention(s) or improvement(s), said application an nominees or legal representatives, and I/we agree to communicate to HF said invention(s) or improvement(s), said application and said Patent, to papers, to execute all disclaimers and divisionals, continuations, C-I-P rightful oaths and declarations, and generally to do everything possible and legal representatives to obtain and enforce, for its or their own benef improvement(s) in any and all countries provided the expenses which cooperation and assistance are paid by HPDC;	we further covenant and agree that I/we will, each such papers as may be necessary or desirable to desirable to said Patent, to HPDC, its successors, assigns, PDC, or to its nominee, all known facts respecting testify in any legal proceedings, to sign all lawfulls, reissue and foreign applications, to make all to aid HPDC, its successors, assigns, nominees it, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any country applications as aforesaid, to issue to HPDC, as assignee of the entire ri invention(s) or improvement(s) which may be issued and granted on accordance with the terms of this assignment.	ght, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record to insert application for Patent, now identified by the Record ID and title set forth alknown to them.	
IN WITNESS WHEREOF, I/we hereunto-set my/our hand(s) and	
Inventor's Signature	Date (28/13)
Dalais 9 Mathatland	
Belgie B McClelland Inventor's Typed Name	
Inventor's Signature	Date
Shab H Madina	
Inventor's Typed 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: 83273845

## ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that 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 subsidiaries and affiliates, to 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 Patent entitled:

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and the invention(s) and improvement(s) set forth therein, and any divisionals, and renewals of and substitutes for said application for countries thereto which may be granted thereon or therefore; and an Patent.	or said Patent, and any and all other Patent of my reissues, or reexaminations, or extensions of s	an sai
I/we additionally authorize HPDC to file applications in my/our na by HPDC, its successors, assigns, nominees or legal representatives Patent respectively may be granted, reissued or extended, as fully a enjoyed by me/us had this assignment, and transfer not been made;	s, to the full end of the term or terms for which s	cai
AND I/we hereby covenant that I/we have full right to convey the executed and will not execute any agreement in conflict herewith, and time a request is made, and without undue delay, execute and deliver perfect the title to said invention(s) or improvement(s), said application nominees or legal representatives, and I/we agree to communicate to said invention(s) or improvement(s), said application and said Patent, papers, to execute all disclaimers and divisionals, continuations, Crightful oaths and declarations, and generally to do everything possit and legal representatives to obtain and enforce, for its or their own be improvement(s) in any and all countries provided the expenses viccoperation and assistance are paid by HPDC;  AND I/we hereby authorize and request the official of any count applications as aforesaid, to issue to HPDC, as assignee of the entire invention(s) or improvement(s) which may be issued and granted accordance with the terms of this assignment.  I/we further authorize and direct the attorneys of record to instapplication for Patent, now identified by the Record ID and title set fortification to them.	d I/we further covenant and agree that I/we will, et all such papers as may be necessary or desirable in and said Patent, to HPDC, its successors, assign HPDC, or to its nominee, all known facts respect, to testify in any legal proceedings, to sign all law-I-P's, reissue and foreign applications, to make ble to aid HPDC, its successors, assigns, nomine mefit, proper patent protection for said invention(s) which may be incurred by me/us in lending sitty or countries whose duty it is to issue patents re right, title and interest, any and all Patent for so on or as a result of the application aforesaid, sent the filing date and application number of sent the filing date and application number of sent the filing date and application number of sent the filing date.	action actions action a
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Inventor's Typed Name

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator

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