#### 502199415 01/17/2013

# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Kas Kasravi	01/10/2013
James C. Cooper	01/11/2013

## **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:	13743971

# **CORRESPONDENCE DATA**

9707784063 Fax Number:

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

Phone: (541)715-8443

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: Steven L. Nichols

Total Attachments: 2

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> **PATENT** REEL: 029652 FRAME: 0133

HEMLETT-FACKARD COMPANY			PATENT APPLICATION
3404 E. Harmony Road Mail Stop 35 Fort Cobins, Catarado 20525	REC	ORO ID: _	E3099390
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I/We, the undersigned is receipt of which is hereby ack DEVELOPMENT COMPANY, L.F Texas, (hereinafler HPDC), and to	nowledged, and in furtherance of 2. a Texas Lansed Parthership hay oles subsidies of all alles, to as I enterest, including the right of prior	s, that for g mylour ok ing its grin sion and to	N cord and valuable consideration, the old and valuable consideration, the old and the state of
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Date Assignment Signed

Dele Application Stynes

Inventor's Signature

James C. Cooper Inventor's Typed Name

Him 10/2012 (Analyses and

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

PA"	FENT	APPI	ICA'	TION

RECORD ID: 83099390

#### 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 subsidiarles 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:

CONFIDENTIALITY CLASSIFICATION OF FILES

Filing Date:

Application No.:

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said

I/we additionally authorize HPDC to file applications in my/our name for 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 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 witt, 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 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 Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, release and lergin 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 like hereby authorize and request the official of any country or countries 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 Patent for said invention(s) or improvement(s) 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 filing date and application number of said application for Patent, now identified by the Record ID and little set forth above, as soon as the same shall have been made known to them.

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

Inventor's Signature	Date Assignment Signed
Kas Kasravi	
Inventor's Typed Name	Date Application Signed
Tom C. Coop	11 Day 2013
Inventor's Signature	Date Assignment Signed
James C. Cooper	11 JAN 2013
Inventor's Typed Name	Date Application Signed

Page 1 of 1

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