## PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

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#### **CONVEYING PARTY DATA**

Name	Execution Date
Marvin G. Wong	07/29/2011

## **RECEIVING PARTY DATA**

Name:	Hewlett-Packard Development Company, L.P.
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## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13196722

#### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER: Steven L. Nichols

Total Attachments: 1

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PATENT REEL: 026691 FRAME: 0470 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

PATENT REFERENCE:

201000276

#### 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 subsidiaries and affiliates, and do hereby assign and trans	nership having its principal place of business in Houston, obligations to the Hewlett-Packard Company and its sfer to HPDC, its successors and assigns, the entire right, nder an application for Letters Patent of the United States
Filing Date: AUOUST 2, 2011	Application No.: 13/196, 722
P's), divisionals, and renewals of and substitutes for said Patent of the United States and of countries foreign their reissues, or reexaminations, or extensions of said Letters I //we additionally authorize HPDC to file application held and enjoyed by HPDC, its successors, assigns, nomit terms for which said Letters Patent respectively may be a same would have been held and enjoyed by me/us had the AND I/we hereby covenant that I/we have full rig 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 inventic 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, as enforce, for its or their own benefit, proper patent protect countries provided the expenses which may be incurred paid by HPDC;  AND I/we hereby authorize and request the Com and 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 the issued and granted on or as a result of the applications as I/we further authorize and direct the attorneys of the said invention or as a result of the application and the further authorize and direct the attorneys of the said invention or as a result of the application as I/we further authorize and direct the attorneys of the application and the further authorize and direct the attorneys of the application and the further authorize and direct the attorneys of the application and the further authorize and direct the attorneys of the application and the further authorize and direct the attorneys of the applications as a foresaid, to issue to HPDC, as assigned the further authorize and direct the attorneys of the applications.	ons in my/our name for Letters Patent in any country, to be nees or legal representatives, to the full end of the term or granted, reissued or extended, as fully and entirely as the sassignment, and transfer not been made; hit to convey the entire interest herein assigned, and that I/I in conflict herewith, and I/we further covenant and agree inducedelay, execute and deliver all such papers as may be on(s) or improvement(s), said application and said Letters degal 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 oaths 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 whose duty it is to issue patents on a of the entire right, title and interest, any and all Letters any and all Letters be of the entire right, title and interest, any and all Letters for the united States whose duty it is to issue patents on the office of the entire right, title and interest, any and all Letters for the united States whose as soon as the same shall have
Inventor's Signature	Date Assignment Signed
Marvin G. Wong	7/29/2011
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
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**PATENT REEL: 026691 FRAME: 0471**