PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| Rajesh Bhatia | 10/19/2011 |

RECEIVING PARTY DATA

| Name: | Hewlett-Packard Development Company, L.P. | |
|-----------------|---|--|
| Street Address: | 11445 Compaq Center Drive W. | |
| City: | Houston | |
| State/Country: | TEXAS | |
| Postal Code: | 77070 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13277023 |

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Address Line 2: Intellectual Property Administration
Address Line 4: FORT COLLINS, COLORADO 80528

NAME OF SUBMITTER: Laura M. Zavala

Total Attachments: 1

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PATENT REEL: 027100 FRAME: 0054 HEWLETT-PACKARD COMPANY intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

Rev 09/11 (Assignment)

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| RECORD ID: | 82748109 |
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| RECORD ID: | 82/48109 |

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:

| title and interest, including the right of priority, in, to and under an a | | | |
|--|---|--|--|
| PRINTING FOR-PAY CONTENT | | | |
| Filing Date: Applic | ation No.: | | |
| and the invention(s) and improvement(s) set forth therein, and any 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. If we additionally authorize HPDC to file applications in my, held and enjoyed by HPDC, its successors, assigns, nominees or leterns for which said Letters Patent respectively may be granted, a same would have been held and enjoyed by me/us had this assigns AND I/we hereby covenant that I/we have full right to come 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 dela necessary or desirable to perfect the title to said invention(s) or in Patent, to HPDC, its successors, assigns, nominees or legal rep | and all continuations, continuations-in-part (C-i- in for said Letters Patent, and any and all Letters in may be granted thereon or therefore; and any four name for Letters Patent in any country, to be agai representatives, to the full end of the term or reissued or extended, as fully and entirely as the ment, and transfer not been made; wey the entire interest herein assigned, and that I/ ict herewith, and I/we further covenant and agree y, execute and deliver all such papers as may be improvement(s), said application and said Letters | | |
| HPDC, or to its nominee, all known facts respecting said invention Letters Patent, to testify in any legal proceedings, to sign all lawful continuations, C-I-P's, reissue and foreign applications, to make all do everything possible to aid HPDC, its successors, assigns, no enforce, for its or their own benefit, proper patent protection for scountries provided the expenses which may be incurred by me/us paid by HPDC; | n(s) or improvement(s), said application and said papers, to execute all disclaimers and divisionals, i rightful oaths and declarations, and generally to minees and legal representatives to obtain and aid invention(s) or improvement(s) in any and all | | |
| AND I/we hereby authorize and request the Commissione and any official of any country or countries foreign to the Unite applications as aforesaid, to issue to HPDC, as assignee of the Patent for said invention(s) or improvement(s), including any and a be issued and granted on or as a result of the application aforesaid. I/we further authorize and direct the attorneys of record application now identified by the Record ID and title set forth about them by the United States Patent and Trademark Office. | ed States whose duty it is to issue patents on antire right, title and interest, any and all Letters all Letters Patent of the United States which may in accordance with the terms of this assignment to insert the serial number and filing date of said | | |
| now De | Ta na na | | |
| Inventor's Signature | 19 - 0 chr - 2-0 rl Date Assignment Signed | | |
| | | | |
| Rajesh Bhatia | 19 - Ock - 2-o i i Date Application Signed | | |
| Inventor's Typed Name | Date Application Signed | | |
| Inventor's Signature | Date Assignment Signed | | |
| Inventor's Typed Name | Date Application Signed | | |

PATENT

RECORDED: 10/21/2011 REEL: 027100 FRAME: 0055

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