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| I. Name of conveying pa   | irty(les):   | rais!   |   | idress of receiving ne-   | tu/iss>                   |
| Amip J Shah   |  |   | 2. Name and address of receiving party(ies):  HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P 11445 Compaq Center Drive West Houston, TX 77070 |   |                           |
| Manish Marwah   |  |   |   |   |                           |
| Additional name(s) of conve<br>i. Nature of Conveyance  |  | ed? ∐Yes ⊠No  | Additional name(s   | ) and eddress(es) attache   | ed? ∐Yes ⊠No              |
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|   | ng filed together with<br>No.(s)<br>3007175  | ):<br>n a new application                                 | January 14, 2011  |   |                           |
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Rev 08/09 (RecdAsgn)

PATENT REEL: 025666 FRAME: 0809

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Hammony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

| ASSIGNMENT   | OF PATENT APPLICATION   |
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| I/We, the undersigned (each) have a DEVELOPMENT COMPANY, L.P., a Texas Limite Texas, (hereinafter HPDC), in furtherance of a subsidiaries and affiliates, and do hereby assign an  | agreed and hereby agree to assign to HEWLETT-PACKARD Described Partnership having its principal place of business in Houston ny/our obligations to the Hewlett-Packard Company and its distant to HPDC, its successors and assigns, the entire right and under an application for Letters Patent of the United States   |
| SECOND STREET, TO COMPONENT SUPSTIQUE  |   |
| Filing Date: January 14, 2011  | Application No.: 13007175   |
| P's), divisionals, and renewals of and substitutes for Patent of the United States and of countries foreignessues, or reasonimations, or extensions of said in I/we additionally authorize HPDC to file apheld and enjoyed by HPDC, its successors, assigns terms for which said Letters Patent respectively makes are would have been held and enjoyed by me/us. AND I/we hereby coverant that I/we have we have not executed and will not execute any agrituat I/we will, each time a request is made, and with mecessary or desirable to perfect the title to said it Patent, to HPDC, its successors, assigns, nomine HPDC, or to its nomines, all known facts respecting. Letters Patent, to testify in any legal proceedings, to continuations, C-I-P's, reissue and foreign applications, for its or their own benefit, proper patent if countries provided the expenses which may be incounted by HPDC;  AND I/we hareby authorize and request the and any official of any country or countries foreign applications as aforesaid, to issue to HPDC, as as Patent for said invention(s) or improvement(s), incited the story of the further authorize and direct the attory. | plications in my/our name for Letters Patent in any country, to be a morninees or legal representatives, to the full end of the term of the granted, reissued or extended, as fully and entirely as the had this assignment, and transfer not been made; full right to convey the entire interest herein assigned, and that he sement in conflict herewith, and I/we further coverant and agree court undue delay, execute and deliver all such papers as may be evention(s) or improvement(s), said application and each Letters as or legal representatives, and I/we agree to communicate to get all lawful papers, to execute all disclaimers and divisionals, said invention(s) or improvement(s), said application and said a sign all lawful papers, to execute all disclaimers and divisionals, one, to make all rightful oaths and declarations, and generally to its, assigns, nominates and legal representatives to obtain and protection for said invention(s) or improvement(s) in any and all curred by me/us in lending such cooperation and assistance are a Commissioner of Patents and Trademarks of the United States of the United States are signed of the entire right, title and interest, any and all Letters sain any and all Letters patents of the United States which may altern along any and all Letters Patent of the United States which may altern along any and all Letters patents of the terms of this assignment, they of record to insert the serial number and filing date of said imber and title set forth above as soon as the same shall have |
| Inventor's Signature   | Date Assignment Signed  |
| Menish Marwelt   | Same  |
| Inventor's Typed Name  | Date Application Signed   |
| Rev 10/09 (Assignment)   | Page 1 of 1   |

**PATENT REEL: 025666 FRAME: 0810**  HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Hammony Road Mell Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

ATTORNEY DOCKET NO. 700205164

## ASSIGNMENT OF PATENT APPLICATION

I/We, the undetsigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Pertnership having its principal place of business in Houston. its 'nŧ, 00

| subsidiaries and at  | filiates, and do hereby as   | xalan and trans!   | ento HPDC, its succ   | Hewlett-Packard Company and<br>tessors and assigns, the entire rig<br>or Letters Patent of the United State  |
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| Sub-tree similarit   | for component substit  | ution  |   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |
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| and the invention(s P's), divisionals, or Patent of the Unite relatues, or reexan two additionals and held and enjoyed by terms for which as asme would have by AND I/we we have not execu- that I/we will, such necessary or dealin Patent, to HPDC, HPDC, or to its not Letters Patent, to te continuations, C-I-I do everything poss enforce, for its or the countries provided paid by HPDC; AND I/we and any official of expelications as afto pelications as afto the issued and gram I/we furth application now ide | and improvement(s) send renewals of and substited States and of countrie innations, or extensions of countrie in the property of the countrie in the countrie in the countries in the co | It forth therein, tutes for sald a selforeign there is ald Letters Postile application assigns, nominively may be grand and without under sald invention nominees or lessecting said littings, to sign ellipplications, to recessors, assigned including are sald including an expelication to the incurred by | polication for said to to which may be gratent. It is in my/our name for sea or legal represe anited, released or, a sasignment, and tratito convey the entire in conflict herewith, use delay, execute a (a) or improvement(a) representatives, in the entire in lending said representatives, in for said invention of the entire right, the united States who of the entire right, the present in econdation record to insert the individual said in econdation record to insert the individual said the set forth about the set individual said the set forth about the set forth | tinuations, continuations in-pert (C<br>atters Patent, and any and all Letter<br>anted thereon or therefore; and a<br>or Letters Patent in any country, to in<br>natives, to the full end of the term<br>extended, as fully and entirely as it |
| Inventor's Signature   |  |  | Date Assi   | griment Signed   |
| Amip J Shah  |  |  | Same  |  |
| Inventor's Typed Nam   | <b>.</b>   |  | Cate App  | lication Signed  |
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| Inventor's Signature   |  |  | Date Assi   | gnment Signed  |
| Manish Marwah  |  | ****   | Same  |  |
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