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PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Kurt Gillespie | 04/20/2010 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 13635409 | |

CORRESPONDENCE DATA

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Total Attachments: 1

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PATENT REEL: 029003 FRAME: 0574 H \$40,00 1363540

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

PATENT APPLICATION

ATTORNEY DOCKET NO. ____

200904643-1 (83114416)

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:

| entitled: | | , to and under an approximation for Letters Patent or the Office States |
|--|--|---|
| COMMUNICA | TING OPERATING SYSTEM BOO | TING INFORMATION |
| Filing Date: | 9/15/2012 | Application No.: 13/635409 |
| P's), divisional Patent of the reissues, or re I/we in held and enjoy terms for which same would held and enjoy we have not eithat I/we will, recessary or Patent, to HP HPDC, or to it Letters Patent continuations, do everything enforce, for its countries proving and any official applications a Patent for said be issued and I/we application no | is, and renewals of and substitutes United States and of countries for examinations, or extensions of sail additionally authorize HPDC to file yed by HPDC, its successors, assists said Letters Patent respectively ave been held and enjoyed by me/lifwe hereby covenant that I/we havecuted and will not execute any reach time a request is made, and desirable to perfect the tille to sail DC, its successors, assigns, nom its nominee, all known facts respend to testify in any legal proceedings C-I-P's, relissue and foreign application of their own benefit, proper paterided the expenses which may be allowed the expenses which may be allowed the interest of the expenses of their countries of the allowed on or as a result of the allowention(s) or improvement(s), if granted on or as a result of the allowed their authorize and direct the allowed the authorize and allowed the authorize and allowed the allowed the authorize and allowed the authorize and allowed the authorize and allowed the authorize and allow | applications in my/our name for Letters Patent in any country, to be gns, nominees or legal representatives, to the full end of the term or may be granted, reissued or extended, as fully and entirely as the us had this assignment, and transfer not been made; we full right to convey the entire interest herein assigned, and that leagreement in conflict herewith, and l/we further covenant and agree without undue delay, execute and deliver all such papers as may be dinvention(s) or improvement(s), said application and said Letters inces or legal representatives, and l/we agree to communicate to ting said invention(s) or improvement(s), said application and said, to sign all lawful papers, to execute all disclaimers and divisionals, rations, to make all rightful oaths and declarations, and generally to escors, assigns, nominees and legal representatives to obtain and incurred by me/us in lending such cooperation and assistance are the Commissioner of Patents and Trademarks of the United States including any and all Letters and Trademarks of the United States including any and all Letters Patent of the United States which may plication aforesaid, in accordance with the terms of this assignment, tomeys of record to insert the serial number and filing date of said trumber and title set forth above as soon as the same shall have |
| | h/ 11 | 4/20/10 |
| Inventor's Signa | //// London | Date Assignment Signed |
| | MT-0 | il Institution |
| Kurt Gilléspie | | |
| Inventor's Typer | s name | Cate Application Signed |
| inventor's Signa | ituië | Date Assignment Signed |
| inventor's Typer | d Name | Date Application Signed |

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PATENT REEL: 029003 FRAME: 0575