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Johnny A Lam	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 11445 Compaq Center Drive West Houston, TX 77070
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Execution Date(s):respectively: 02-15-08 4. Application number(s) or patent number(s): If this document is being filed together with a new application.	cation, execution date of the application is:
A. Patent Application No.(s) Application No.: 12/238,177 Date Fil	ed: Sep-25-2008
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Confirmation No.: 1179 B. Patel	nt No.(s):
Additional numbers attached? NO	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:1
Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY P.O. Box 272400 Fort Collins, Colorado 80527-2400	7. Total Fee (37 CFR 3.41): \$40.00 EnclosedX_Authorization to be charged to deposit account.
9. Statement and signature.	8. Deposit Account Number: 08-2025
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Marci Santillanes Name of Person Signing S	Saxtillanes 07-20-09 Ignature Date
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Rev 05/09 (RocdAsgn)

PATENT REEL: 022977 FRAME: 0964 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

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ASSIGNMENT OF PATENT APPLICATION I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Toxas 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 affillates, 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: Updating Control Information in Non-Volatile Memory to Control Selection of Content Filing Date: <u>Sep. 25, 2008</u> Application No.: 12/238,177 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 Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/our name for Letters 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 Letters 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 will, 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 Letters 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 Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals. continuations, C-I-P's, reissue and foreign 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 I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States 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 Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States 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 serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office. NESS WHEREQF, I/we hereunto set my/our hand(s) and soal(s) Johnny A. Lam Inventor's Typed Name State of) 55.: County of Bolore me this day of , personally appeared Johnny A. Lam who is personally known or proved to me on the basis of setisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary Public My Commission Expires; Rev 10/07 (Assignment)

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Johπny A Lam	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 11445 Compaq Center Drive West Houston, TX 77070
Additional name(s) of conveying party(les) attached? ☐Yes 图i	No Additional name(s) and address(es) attached? □Yes ເ∑No
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⊠Assignment □ Merger □ Change	of Name Security Agreement Joint
Other	
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P.O. Box 272400 Fort Collins, Colorado 80527-2400	X Authorization to be charged to deposit account.
9. Statement and signature,	8. Deposit Account Number: <u>08-2025</u>
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.	
Marci Santillanes // Vauce Name of Person Signing Sig	Sattillage 07-20-09 pnature Date
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