ATTORNEY DOCKET NO. 200700786-1

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

RECORDATION FORM COVER SHEET				
PATENTS ONLY				
Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Lee Atkinson	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070			
Additional name(s) of conveying party(ies) attached? Yes No	Additional name(s) and address(es) attached? □Yes ⊠No			
3. Nature of Conveyance:				
★ Assignment	of Name Security Agreement Joint			
Other				
Execution Date(s): July 3, 2007 4. Application number(s) or patent number(s): If this document is being filed together with a new application, execution date of the application is: July 6, 2007				
A. Patent Application No.(s)				
Application No.: 11/774,013 Date Filed: July 6, 2007				
Confirmation No.; 2427 B. Patent No.(s):				
Additional numbers attached? _NQ				
Name and address of party to whom correspondence concerning document should be mailed;	6. Total number of applications and patents involved: 1			
_	7. Total Fee (37 CFR 3.41): \$40.00			
Records Manager Intellectual Property Administration	Enclosed			
HEWLETT-PACKARD COMPANY P.O. Box 272400	X_Authorization to be charged to deposit account.			
Fort Collins, Colorado 80527-2400	8. Deposit Account Number: 08-2025			
Statement and signature.				
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.				
Minh N. Nguyen Name of Person Signing Sign Total number of pages including coversher	July 6, 2007 Date attachments, and documents:			
Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450 Page 1 of 1				
1 282 1 41 1				

Rev 10/05 (RecdAsgn)

PATENT REEL: 019526 FRAME: 0603 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400 PATENT APPLICATION

ATTORNEY DOCKET NO. _____200700786-1

ASSIGNMENT OF PATENT APPLICATION

IAVe, 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 lassigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States

Systems and Methods for Determining Refresh Rate of Memory Based on RF Activities Application No.: and the invention(s) and improvement(s) set torth 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 tiwe further coverant and agree

that live 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-F's, reissue and foreign applications, to make all rightful paths 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 essistance 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 leade patents on applications as aforesaid, to issue to MPDC, 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.

IN WITNESS WHEREOF,	I/wo hereunto set my/our hand(s)	, marine (, , , , , , , , , , ,)	2007
Inventor's Signature (Seal)		Date Assignment Signed	
Lée Alkinson		Tall 3.	2007
Inventor's Typed Name	1 188 11 111	Date Application Signed	
State of)	·	
County of) ss.:)		. * .
Before me thisday of	, personally appeared	Lee Alkinson	who is personally
known or proved to me on the bas assignment to be his/her free act and	is of satisfactory evidence to be the fideed.	person who acknowledged the f	oragoing instrument of
Roy 20/08s (Assignment)	Page 1 of	Notary Public My Commission Expires	

PATENT

REEL: 019526 FRAME: 0604