ATTORNEY DOCKET NO. 200703656-1

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

RECORDATION F	ORM COVER SHEET			
PATENTS ONLY				
1. Name of conveying party(ies): Robert R. Brodeur Robert A. Nebeker Cheng Nam Lee	2. Name and address of receiving party(ies): 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 XNo			
3. Nature of Conveyance: ☑ Assignment	of Name Security Agreement Joint			
Confirmation No.: B. Patent N	June 26, 2008			
Additional numbers attached? NO 5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1			
concerning document should be malled: 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. 8. Deposit Account Number: 08-2025			
9. 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.				
	June 26, 2008 ature Date et, attachments, and documents: 6			
Total number of pages including coversheet, attachments, and documents: 6 Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, 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				

Rev 10/07 (RecdAsgn)

PATENT REEL: 021167 FRAME: 0195 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400 PATENT APPLICATION

ATTORNEY DOCKET NO. ___

200703656-1

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, Taxas (hereinatter HPDC) in furtherance of myour obligations to the Hewlett-Packard Company and its

Texas, (neremanter HPDC), in subsidiaries and affiliates, and d title and interest, including the ri	o hereby assign and transfer t	o HPDC, its successors and las	signs, the entire right,
entified;			
Optimized Memory Allocation	Via Festure Extraction		
Filing Date: DUNC 7(L) and the invention(s) and improve Prish, divisionals, and renewals of Patent of the United States and reissues, or reaxaminations, or some live additionally author held and enjoyed by HPDC, its sterms for which said Letters Paters would have been held and AND I/we hereby cover we have not executed and will not true will, each time a request necessary or desirable to perfet Patent, to HPDC, its successor HPDC, or to its nominee, all known that I/we will, each time a request necessary or desirable to perfet Patent, to HPDC, its successor HPDC, or to its nominee, all known that I/we will, each time a request necessary or desirable to perfet Patent, to testify in any lead of the expense of their own bening that the possible to aid Henforce, for its or their own bening the paid by HPDC; AND I/we hereby author and the expenses are the expenses and the expenses and the expenses are the expenses and the expenses and the expenses are the expenses are the expenses and the expenses are the expenses	ement(s) set forth therein, and fand substitutes for said applit of countries foreign thereto extensions of said Letters Pater ize HPDC to file applications in successors, assigns, nominees tent respectively may be grant enjoyed by me/us had this assignant that I/we have full right to not execute any agreement in out execute and investignations of the said investignations, to make the proper patent protection if it is which may be incurred by marize and request the Commission.	cation for said Letters Patent, all which may be granted thereon int. In my/our name for Letters Patent, or legal representatives, to the ed, reissued or extended, as ful signment, and transfer not been convey the entire interest herein conflict herewith, and I/we furthe detay, execute and deliver all stor improvement(s), said application in the entire and two agreements, and I/we agreements, or improvement(s), said application in the entire and declaration, nominees and legal representatives and declaration read invention(s) or improvements in lending such cooperation or patents and cooperation or patents	inuations-in-part (C-ind any and all Letters or therefore; and any it in any country, to be full end of the term or lly and entirely as the made; a covenant and agree ich papers as may be ation and said Letters are to communicate to application and said imers and divisionals, ions, and generally to obtain and assistance are sof the United States
and any official of any country applications as eforesaid, to iss Patent for said invention(s) or in he issued and granted on or as a	or countries foreign to the use to HPDC, as assignee of approvement(s), including any same a result of the application afore and direct the afterneys of recessarioney docket number and	United States whose duty it is the enfire right, title and interes and all Letters Patent of the Unit said, in accordance with the term ord to Insert the serial number a title set forth above as soon as	to issue patents on it, any and all Letters ted States which may as of this assignment, and filing date of sald
IN WITNESS WHEREOF.)/we.hereunto set my/our hand(a) and seal(s): 6/24/08 Date Assignment Signed	>
Inventor's Signature (Seal)		Date Assignment Signed	.
Robert R. Brodeur		6/24/08	
inventor's Typed Name	ALTER MANUEL MANUEL TO	Date Application Signed	
State of) ss.		
County of	>		
Before me this day of	, personally appeared	Robert R. Brodeur	who is personally
known or proved to me on the bas assignment to be his/her free act and		the person who asknowledged the	foregoing instrument of
		Notary Public	

Page 1 of 2

My Commission Expires:

Rev 1097 (Assignment)

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

ATTORNEY DOCKET NO. 200703656-1

ASS	SIGNMENT OF PATENT A	PPLICATION (cont.)
IN WITNESS WHEREOF, N	we hereunto set mylour hand(a) and seal(s):
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Inventor's Signature (Seal)		Dats Assignment Signed
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Robert A. Nebeker		Date Application Signed
Inventor's Typed Name		Date Application orginal
State of)	
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Before me thisday of	, personally appeared	Robert A. Nebeker who is personally
known or proved to me on the basis assignment to be his/her free act and	or sametactory evidence to be t deed.	the person who acknowledged the foregoing instrument of
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Cheng Nam Lee		
inventor's Typed Name		Date Application Signed
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Before me this day of	, personally appeared	Cheng Nam Leewho is personally
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	15-an 9-49	My Commitssion Expires:
Rev 10/07 (Assignment)	Page 2 of 2	

PATENT REEL: 021167 FRAME: 0197 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Colins, Colorado 80527-2400 PATENT APPLICATION

ATTORNEY DOCKET NO. 200703656-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I'we hereunto set my/our hand(s) and seal(s):

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Robert A. Nebeker		
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State of)	
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Before me thisday of	personelly appeared	Cheng Nam Lee who is persona
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		My Cominission Expires:
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Rev 10/07 (Assignment)	-	