U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

PATENT REFERENCE: 200703717US01	Patent and Trademark Office		
RECORDATION	FORM COVER SHEET		
PATEN	ITS ONLY		
1. Name of conveying party(les):	2. Name and address of receiving party(les):		
Erik R Nielsen	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.		
Richard A Bargerhuff	11445 Compaq Center Drive West Houston, TX 77070		
Carl Massey	Houston, IX //0/0		
Additional name(s) of conveying party(les) attached? Yes XNA 3. Nature of Conveyance:			
⊠Assignment ⊡Merger □Change	of Name Security Agreement Joint		
Execution Date(s):respectively: 07-31-08, 07-31-08,07-31-08	}		
4. Application number(s) or patent number(s):			
If this document is being filed together with a new applicat	on, execution date of the application is:		
A. Patent Application No.(s)			
Application No.: 13/056105 Date Filed	: Jan 26, 2011		
Confirmation No.: 1884 B. Patent	No.(8):		
Additional numbers attached? <u>NO</u>			
6. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1		
concerning document should be mailed:	7. Total Fee (37 CFR 3.41):\$40.00		
Records Manager	Enclosed		
Intellectual Property Administration HEWLETT-PACKARD COMPANY			
3404 E. Harmony Road	Authorization to be charged to deposit account.		
Mail Stop 35 Fort Collins, Colorado 80528	8. Deposit Account Number: 08-2025		
9. Statement and signature.	********		
	mation is true and correct and any attached copy is a true		
copy of the original document.	-		
-70.21			
Name of Person Signing Sign	Davettikaues Mar 18, 2011 nature Date		
Total number of pages including covershe	et, attachments, and documents:4		
Documents to be recorded (including cover shee	et) 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		
Pag	e 1 of 1		

Rev 06/10 (RecdAsgn) .

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HEWLETT-PACKARD COMPANY		PATENT APPLICATION
F.O. Box 272400 Fort Collins, Colorado 80527-2400	ATTORNEY DOCKET NO.	200703717-1
	ASSIGNMENT OF PATENT APPLICATION	

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 Hawlett-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:

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	Jan 26, 2011				C 1 82	
Filing Date:	ant not not n	Applicat	ion No.t	13/05	6,105	

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 relissues, or reaxaminations, 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 l/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, relissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and invention(s) or improvement(e) in any and all and recerces for its or their own benefit, proper patent protection for said invention(s) or improvement(e) 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 l/we hereby authorize and request the Commissioner of Patents and Trademerks 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, little 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 altorneys 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 Patient and Trademark Office.

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

EnhRNL		7/31/08	
Inventor's Signature (Seal)	***************************************	Date Assignment Signed	······································
Erik R. NIELSEN		7/31/08	
Invantor's Typed Name		Date Application Signed	
State of)		
) 55.:		
County of	\$		
Before me this day of	, personally appeared	Erk R. NIELSEN	who is personally

known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Rev 10/07 (Assignment)

Paga 1 of 2

Notary Public My Commission Expires:

HEWLETT-PACKARD COMPANY	PATENT APPLICATION
P.O. Box 272400 Fort Collins, Colorado 80527-2400	ATTORNEY DOCKET NO. 200703717-1
ASSIGNMENT OF PATENT A	APPLICATION (cont.)
AN YETHESS WHEREOF, I'we have the set my/our hand	s} and seal(s);
12 2011/15/11/	
stentors Slogature/Sedi)	Date Assignment Signed
	100 - 101
Richard A. BARGERHUFF	Data Application Staned
nventor's Typed Name	Data Application Signed
State of)) se,:	·
County of	
Before me thisday of, personally appeared known or proved to me on the basis of satisfactory avidence to ba assignment to be his/her free act and deed.	Richard A. BARGERHUFF who is personally the person who acknowledged the foregoing instrument of Xeary Public My Commission Explicits:
and hannan	7/3.108
nventor's Signature (Seal)	Date Assignment Signed
An Additional Coast	
Carl MASSEY	7/ 3// 20
inventor's Typed Name	Date Application Signed
State of)	
) ss.:	
County of	
Before me thisday of, personally appeared	Carl MASSEY who is personally
known or proved to me on the basis of satisfactory evidence to be	the person who acknowledged the foregoing instrument of
assignment to be his/her free act and dead.	
	Notary Public My Commission Expires:
Inventor's Signature (Seel)	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
State of)) se.:	
County of)	
and the second	who is personally
Before me this day of, personally appeared known or proved to me on the basis of satisfactory evidence to be assignment to be his/her free act and deed.	the person who acknowledged the foregoing instrument of
Before me this day of , personally appeared known or proved to me on the basis of satisfactory evidence to be assignment to be his/her free act and deed.	the person who acknowledged the foregoing instrument of
known or proved to me on the basis of satisfactory evidence to be	Noticy Public My Commission Explore:

PATENT REEL: 026000 FRAME: 0191

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