PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY DATA							
N			ame	Execution Date			
Mark David Lillibridge			10/24/2008				
Johm M Czerkowicz			06/30/2009				
David Malcolm Falkinde	er			07/10/2009			
RECEIVING PARTY DATA							
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City:	Houston						
State/Country:	TEXAS						
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PROPERTY NUMBERS Total: 1 Property Type Number Number: 12260024							
Property Type			Number				
Application Number: 12		12260	50024				
CORRESPONDENCE DATA							
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Email: jerry.shorma@hp.com							
Correspondent Name: Hewlett-Packard Company							
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Address Line 2:Intellectual Property AdministrationAddress Line 4:Fort Collins, COLORADO 80527							
NAME OF SUBMITTER:			Susan Holding				
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif							

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200801017-1

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, 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:

LANDMARK CHUNKING OF LANDMARKLESS REGIONS

Filing Date:

Application No.:

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.

Inventor's Signature (Seal)		Date Assignment Signed		
Mark David Lillibridge		10/24/2008		
Inventor's Typed Name		Date Application Signed		
State of	•}			
) ss.:			
County of) -			
Before me this day of	, personally appeared	Mark David Lillibridge	who is personally	
known or proved to me on the t assignment to be his/her free act		the person who acknowledged the	foregoing instrument of	
-		Notary Public	· · · · · · · · · · · · · · · · · · ·	
		My Commission Expires		

Rev 10/08 (Assignment)

Page 1 of 2

HEWLETT-PACKARD CO Intellectual Property Admin		PATENT APPLICATION
P.O. Box 272400 Fon Collins, Colorado 8052		ATTORNEY DOCKET NO. 200801017-1
	ASSIGNMENT OF PA	TENT APPLICATION (cont.)
IN WITNESS WH	HEREOF, I/we hereunto set my/or	ur hand(s) and seal(s):
	namente de la companya de la company La ferencia de la companya de la comp	
inventor's Signature (Seal)		Date Assignment Signed
John M. Czerkowicz		October 28th, 2008
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Before me this day of	normality appeared	n an
	personally appears	John M. Czerkowicz who is personally ce to be the person who acknowledged the foregoing instrument of
assignment to be his/her fro	eo act and deed.	e n pe ne berou wir ordroniegen ne medning instanten of
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Sefore me this day of	, personally appeare	d David Malcolm Falkinder who is personally
	the basis of satisfactory evidence	ce to be the person who acknowledged the foregoing instrument of
ssignment to be his/her fre	e act and deed.	
		Notary Public
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ventor's Signature (Seal)	n on indexe and in the reader of the	Date Assignment Signed
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Before me thisday of	personally appeare	dwho is personally
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RECORDED: 11/27/2009

PATENT REEL: 023576 FRAME: 0014