501834554 02/28/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mark S. Tracy	01/25/2008
Paul J Doczy	02/21/2008
Jeffrey A. Lev	01/29/2008

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.	
Street Address:	11445 Compaq Center Drive West	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77070	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12866613

CORRESPONDENCE DATA

 Fax Number:
 (970)778-4063

 Phone:
 (541)715-8443

 Email:
 terri.tuma@hp.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Correspondent Name: Hewlett-Packard Company
Address Line 1: 3404 E. Harmony Road MS 35
Address Line 2: Intellectual Property Administration
Address Line 4: Fort Collins, COLORADO 80528

NAME OF SUBMITTER: Cristina M. Halvorson

Total Attachments: 3

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> PATENT REEL: 027772 FRAME: 0948

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

Rev 10/07 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. ______200702880-1_

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,

entitled:	- •	nt of priority, in, to and u		r Letters Patent	of the United States
				12/866613	
P's), divisionals Patent of the U reissues, or ree I/we are neld and enjoye rerms for which same would hav AND II we have not ex hat I/we will, ea recessary or P Patent, to HPD HPDC, or to its Letters Patent, to	, and renewals of a niled States and of xaminations, or exi- diditionally authorized by HPDC, its su- said Letters Pater we hereby covense ecuted and will not ach time a request esirable to perfect C, its successors, nominee, all know to testify in any leg C-I-P's, reissue and	ment(s) set forth therein, and substitutes for said a for countries foreign then tensions of said Letters for the HPDC to file application coessors, assigns, nominat respectively may be gonjoyed by me/us had thint that I/we have full right execute any agreemen is made, and without un the title to said invention assigns, nominees or low facts respecting said all proceedings, to sign at foreign applications, to IDC, its successors, assigns, assigns, to sign at the successors, assigns, assigns, to sign at the successors, assigns, a	application for said Lee to which may be gradent. In sin my/our name for the said or east or legal represent assignment, and transit to convey the entire tin conflict herewith, due delay, execute ann(s) or improvement(egal representatives, invention(s) or improull lawful papers, to ex make all rightful oath	etters Patent, and anted thereon or relatives, to the function of the function	I any and all Letters therefore; and any nany country, to be ill end of the term or and entirely as the ade; assigned, and that I/covenant and agree in papers as may be on and said Letters to communicate to application and said lets and divisionals, ins, and generally to
enforce, for its	or their own benef	fit, proper patent protect which may be incurred to	ion for said invention	(s) or improveme	ent(s) in any and all
AND I/ and any officia applications as Patent for said be issued and g I/we for application now	I of any country of aforesaid, to issue invention(s) or importanted on or as a surther authorize and identified by the a	ze and request the Coming to countries foreign to be to HPDC, as assigned provement(s), including a result of the application and direct the attorneys of attorney docket number United States Patent and	the United States who of the entire right, to any and all Letters Patersaid, in accordant record to insert the and title set forth about the control of the	hose duty it is t title and interest, atent of the Unite ce with the terms serial number an	o issue patents on any and all Letters d States which may of this assignment. Id filing date of said
IN WITH	NESS WHEREOF, I	we hereunto set my/our h		orbelo	SF
nventor's Signatu	ure (Seal)		Date Ass	ignment Signed	C .
Mark S. TRACY Inventor's Typed	Name	···	Date App	lication Signed	δ
State of)) ss.:			
County of)			
		, personally appeared of satisfactory evidence to dead	Mark S. To be the person who as		who is personally pregoing instrument of
accignment to be	mondi neo del Bilo	<u>.</u>	N	olary Public	

Page 1 of 2

REEL: 027772 FRAME: 0949

My Commission Expires:

Rev 10/07 (Assignment)

Notary Public

My Commission Expires:

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator		PAT	FENT APPLICATION
P.O. Box 272400 Fort Collins, Colorado 80527-2400		ATTORNEY DOCKET NO.	200702880-1
	IGNMENT OF PATENT.	APPLICATION (cont.)	
 _	ve hereunto set my/our hand		
1000	is necessito set MAJORI (1910)		
Incentor's Signature (Seel)		2/21/2009 Date Assignment Signed	<u> </u>
" asomor o dignetare (See)			
Paul J. DOCZY		2/21/2008 Date Application Signed	•
Inventor's Typed Name		Date Application Signed	
State of)		
)) 85.:		
County of	j		
Before me this day of	, personally appeared	Paul J. DOCZY	who is personally
known or proved to me on the besis	of satisfactory evidence to be	the person who acknowledged the fo	regoing instrument of
assignment to be his/her free act and de	39G.		
		Notary Public My Commission Expires;	***************************************
Inventor's Signature (Seal)		Date Assignment Signed	***
Jeffrey A. LEV			
Inventor's Typed Name		Date Application Signed	
State of)		
County of) 88.;)		
Before me thisday of	•	Jeffrey A. LEV	who is personally
known or proved to me on the basis of assignment to be his/her free act and de	of satisfactory evidence to be	the person who acknowledged the fo	regoing instrument of
		Notary Public	чн
		My Commission Expires:	
Inventor's Signature (Seal)		Date Assignment Signed	
nventor's Typed Name		Date Application Signed	
State of) }		
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Page 2 of 2

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200702880-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

Inventor's Signature (Seal)		Date Assignment Signed		
Paul J. DOCZY				
nventor's Typed Name		Date Application Signed		
State of)).ss.:			
County of) The state of the			
Before me thisday of known or proved to me on the be assignment to be his/her free act ar	, personally appeared sis of satisfactory evidence to be the deed.	Paul J. DOCZY ne person who acknowledged the t	who is personally oregoing Instrument of	
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M 11		フチットルン プラン Date Assignment Signed	\$	
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nventor's Typed Name		Date Application Signed		
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Before me thisday of	, personally appeared		who is personal	
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PATENT REEL: 027772 FRAME: 0951

RECORDED: 02/28/2012