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 D. Tupa	10/06/2009
Michael R. Durham	10/06/2009
Christopher Rijken	10/06/2009
Louis B. Hobson	10/06/2009
Joshua N. McMahon	10/06/2009

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:	12574472

CORRESPONDENCE DATA

Fax Number: (970)778-4063

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 970-898-4728

Email: JERRY.SHORMA@HP.COM

Correspondent Name: HEWLETT-PACKARD COMPANY Intellectual Pro

Address Line 1: 3404 E. Harmony Road

Address Line 2: Mail Stop 35

Address Line 4: FORT COLLINS, COLORADO 80528

NAME OF SUBMITTER:

Be Henry

Total Attachments: 3

500981879

PATENT REEL: 023335 FRAME: 0850

Total Attachments

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> PATENT REEL: 023335 FRAME: 0851

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

ATTORNEY DOCKET NO. ______200902607-1

	ASSIGNMENT OF PATENT		
DEVELOPMENT COMPANY, L.f. Texas, (hereinafter HPDC), in subsidiaries and affiliates, and do title and interest, including the rig entitled:	furtherance of my/our obligat hereby assign and transfer to h	having its principal place of ions to the Hewlett-Packar IPDC, its successors and as	business in Houston, rd Company and its signs, the entire right,
Controller			
The British British		to a firm with a	
and the invention(s) and improve P's), divisionals, and renewals of Patent of the United States and reissues, or reexaminations, or e. I/we additionally authori held and enjoyed by HPDC, its s terms for which said Letters Pate same would have been held and	ement(s) set forth therein, and a and substitutes for said applica of countries foreign thereto whatensions of said Letters Patent. The HPDC to file applications in nuccessors, assigns, nominees of ent respectively may be granted enjoyed by me/us had this assignant that I/we have full right to copt execute any agreement in cont is made, and without undue det the title to said invention(s) or assigns, nominees or legal rewn facts respecting said inventigal proceedings, to sign all lawfuld foreign applications, to make PDC, its successors, assigns.	cion for said Letters Patent, a ch may be granted thereon by/our name for Letters Pater legal representatives, to the reissued or extended, as fundent, and transfer not been nively the entire interest hereinflict herewith, and t/we further lay, execute and deliver all simprovement(s), said applications or improvement(s), said applications or improvement(s), said applications or improvement(s), said appers, to execute all disclarations and declarations and declarations and declarations.	or therefore; and any and all Letters or therefore; and any at in any country, to be full end of the term or ally and entirely as the made; assigned, and that I/er covenant and agree uch papers as may be ation and said Letters ee to communicate to d application and said aimers and divisionals, tions, and generally to ntatives to obtain and
and any official of any country applications as aforesaid, to iss Patent for said invention(s) or in be issued and granted on or as a	rize and request the Commission or countries foreign to the Ur ue to HPDC, as assignee of the approvement(s), including any and result of the application aforesaind direct the attorneys of recort attorney docket number and til	ner of Patents and Tradement lited States whose duty it is entire right, title and intered all Letters Patent of the United id, in accordance with the tered to insert the serial number the set forth above as soon a	ks of the United States s to issue patents on st, any and all Letters lited States which may ms of this assignment, and filing date of said
IN WITNESS WHEREOF,	I/we hereunto set my/our hand(s)	and seal(s):	
man D. Tups		10/6/00	· · · · · · · · · · · · · · · · · · ·
Inventor's Signature (Seal)		Date Assignment Signed	
Mark D. Tupa Inventor's Typed Name		Date Application Signed	<u></u>
State of)) ssi::		
County of)		
Before me this day of known or proved to me on the bar assignment to be his/her free act an	sis of satisfactory evidence to be th	Mark D. Tupa e person who acknowledged th	who is personally e foregoing instrument of
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Day 45000 /Accionments	Page 1 of 3	My Commission Expire	36)

PATENT REEL: 023335 FRAME: 0852

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

Rev 10/08 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. _____200902607-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

in witness whereof,	l/we hereunto set my/our hand(s)	and seal(s):	
Michael R. Ulik		10-6-200	4
Inventor's Signature (Seal)		Date Assignment Signed	
		10-6-2009	x :
Michael R. Durham		Date Application Signed	· · · · · · · · · · · · · · · · · · ·
Inventor's Typed Name		Date Application Signed	
State of	}		
) ss.:		
County of	j.		
Before me thisday ofknown or proved to me on the bas assignment to be his/her free act and	is at satisfactory expense to no a	Michael R. Durham ne person who acknowledged the	who is personally foregoing instrument of
essignment to be more in account		Novemberson Expires	
Inventor's Signature (Seal) Christopher Rijken Inventor's Typed Name		Date Assignment Signed 10 6 8	
State of)		
) 88.		
County of)		
Before me thisday of	personally appeared	Christopher Rijken	who is personally
known or proved to me on the bas	is of satisfactory evidence to be t	he person who acknowledged the	foregoing instrument of
assignment to be his/her free act an	3 (depi7)		
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	Lelan -		109
The same of the	he find of minimum	10/	M. Errek M.
Inventor's Signature (Seal)		Date Assignment Signed	
Louis 8, Hobson			
Inventor's Typed Name		Date Application Signed	
- ko (Α.		
State of	1		
And the second) ss.:		
County of	,		
Before me this day of	, personally appeared	Louis B. Hobson	who is personally
known or proved to me on the ba- assignment to be his/her free act an	sis of satisfactory evidence to be indicated.	me person who acknowledged the	roredolud rustimisett of
चक्कारिससावार क्षेत्र साक्ष्माका संद्रु श्रुट का	take indicates and g	Notary Presid	
		My Commission Expires	
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HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. _____200902607-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREO	F, I/we hereunto set my/our hand(s)	and seal(s):
Inventor's Signature (Seal)	410461	Date Assignment Signed
		10-6-2009
Joshua N. McMahon		Date Application Signed
Inventor's Typed Name		Bato reprication outro
State of TEXAS County of MERIS) ss.:	
County of 77772.	oker Zowa personally appeared	Charles and Control of the Control o
Before me this & P day of	operation appeared to the the control of the contro	Joshua N. McMahon who is personally e person who acknowledged the foregoing instrument of
assignment to be his/her free act to be his/h	and deed: NRY Sion Expires	Notary Public My Commission Expires:
Inventor's Signature (Seal)		Date Assignment Signed
Inventor's Typed Name		Date Application Signed
State of) }ss:<	
County of)	
Before me thisday of	, personally appeared	who is personally
known or proved to me on the tassignment to be his/her free act	pasis of satisfactory evidence to be the	ne person who acknowledged the foregoing instrument of
		Notary Public
		My Commission Expires;
Inventor's Signature (Seal)		Date Assignment Signed
Inventor's Typed Name		Date Application Signed
State of)) ss.::	
County of)	
Before me this day of	, personally appeared	who is personally
known or proved to me on the assignment to be his/her free act	basis of satisfactory evidence to be ti	he person who acknowledged the foregoing instrument of
		Notary Public
Rev 10/08 (Assignment)	Page 3 of 3	My Commission Expires:
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PATENT REEL: 023335 FRAME: 0854

RECORDED: 10/07/2009