Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Srinivasan RAMANI	12/16/2008
Badri RANGANATHAN	12/19/2008
Srinivasu GODAVARI	12/16/2008
Anjaneyulu Seetha Rama KUCHIBHOTLA	12/16/2008
Nagabhushana Ayyanahalli MATAD	12/16/2008

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:	12349311

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

Address Line 1: PO Box 272400, 3404 E. Harmony Road Address Line 2: Intellectual Property Administration Address Line 4: Fort Collins, COLORADO 80527

NAME OF SUBMITTER: Gloria Gwee

Total Attachments: 6

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REEL: 022066 FRAME: 0920

PATENT

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PATENT REEL: 022066 FRAME: 0921

Rev 10/08 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. ______200703800-2

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD

DEVELOPMENT		xas Limited Partnership I	naving its pri	ncipal place of busine	ss in Houston
		assign and transfer to HF ority, in, to and under an a			
Document Veri	fication Method And Sy:	stem			
Filing Date:	January 6, 2009	Applic	ation No.:	12/349311	
P's), divisionals, Patent of the Ureissues, or responsible to the Ureissues, or responsible terms for which same would have AND In we have not executed to the Patent, to HPDC, or to its Letters Patent, to continuations, C do everything prenforce, for its countries provide paid by HPDC; AND In and any official	and renewals of and sub- nited States and of coun- kaminations, or extensions (ditionally authorize HPDC, d by HPDC, its successor said Letters Patent respe- re been held and enjoyed we hereby covenant that ecuted and will not execut- ich time a request is mad- esirable to perfect the title C, its successors, assign nominee, all known facts o testify in any legal proce- i-P's, reissue and foreign ossible to aid HPDC, its or their own benefit, prop- ed the expenses which now we hereby authorize and of any country or coun-	C to file applications in my, rs, assigns, nominees or le actively may be granted, r by me/us had this assignm l/we have full right to convite any agreement in conflite, and without undue delate to said invention(s) or in se, nominees or legal representations, to make all successors, assigns, noi er patent protection for sainay be incurred by me/us request the Commissioner tries foreign to the Unite	on for said Lean may be graded and the property of the entire of the ent	atters Patent, and any anted thereon or there in Letters Patent in any natives, to the full end extended, as fully and letter all such papers), said application an and I/we agree to convernent(s), said applications, and eclarations, and legal representatives (s) or improvement(s) such cooperation and a full and Trademarks of the nose duty it is to issue	and all Letters afore; and any country, to be of the term or entirely as the red, and that I/ant and agree ers as may be d said Letters immunicate to a said divisionals, d generally to to obtain and all in any and all inssistance are United States in patents on
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	•	unto set my/our hand(s) and			
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Inventor's Signatur			Date Assi	Dec 08	
Srinivasan RAMAN	H		16	Dec 08	
inventor's Typed N	ame		Date Appl	ication Signed	***************************************
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County of)			
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				ary Public Commission Expires:	

Page 1 of 3

PATENT REEL: 022066 FRAME: 0922

PATENT APPLICATION

ATTORNEY DOCKET NO. 200703800-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

Inventor's Signature (Seal)		Date Assignment Signed
Badri Narayanan RANGANATHAN		
Inventor's Typed Name		Date Application Signed
State of)	
) ss.:	
County of)	
Before me this day of	, personally appeared	Badri Narayanan RANGANATHAN who is personally
known or proved to me on the basis assignment to be his/her free act and of		be the person who acknowledged the foregoing instrument of
		Notary Public
		My Commission Expires:
an		16/nor
Inventor Signature (Seal)		Date Assignment Signed
* +		16/12/08
Srinivasu GODAVARI		
Inventor's Typed Name		Date Application Signed
State of	•	
State of	, , ,	
County of) ss.:	
·	,	
Before me this day of	, personally appeared	Srinivasu GODAVARI who is personally
assignment to be his/her free act and of		be the person who acknowledged the foregoing instrument of
•		Notary Public
		My Commission Expires:
,		
K.S.R. Angareye	eln	Dec 16, DOP Date Assignment Signed Dec 16, Loop
Inventor's Signature (Seal)		Date Assignment Signed
Anjaneyulu Seetha Rama KUCHIBHOT	71 A	140 P
Inventor's Typed Name	LP.	Date Application Signed
		<i></i>
State of)	
).ss.:	
County of	ý	
Before me this day of	, personally appeared /	Arjaneyulu Seetha Rama KUCHIBHOTLA who is personally
	of satisfactory evidence to b	e the person who acknowledged the foregoing instrument of
		Notary Public
	Page 2 of	My Commission Expires:
Rev 10/06 (Assignment)	Fage 2 0	•

PATENT REEL: 022066 FRAME: 0923

Rev 10/08 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. 200703800-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I'W	e hereunto set my/our hand(s	
1 m. Worland		16/12/08
Am. Nzpchua	W	Date Assignment Signed
		16 12 08 Date Application Signed
Nagabhushana Ayyanahalli MATAD		
Inventor's Typed Name		Date Application Signed
State of)	
) ss.:	
County of)	
Before me this day of	, personally appeared	Nagabhushana Ayyanahalli MATAD who is personally
		the person who acknowledged the foregoing instrument of
assignment to be his/her free act and de	eo.	Notary Public
		My Commission Expires:
•		
Inventor's Signature (Seat)		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 basis of assignment to be his/her free act and de		he 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)	
	, personally appeared	who is personally
known or proved to me on the basis of assignment to be his/her free act and de-		he person who acknowledged the foregoing instrument of
		Notary Public
	Page 3 of 3	My Commission Expires:
Rev 10/08 (Assignment)	1 494 4 47 4	

ATTORNEY DOCKET NO.

200703800-2

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:

on Method And System	y
nuary 6, 2009 12/349311 Application No.:	
and improvement(s) set forth therein, and any and all continuations, continuat renewals of and substitutes for said application for said Letters Patent, and an	
States and of countries foreign thereto which may be granted thereon or the	
nations, or extensions of said Letters Patent. nally authorize HPDC to file applications in my/our name for Letters Patent in a	inv country to be
HPDC, its successors, assigns, nominees or legal representatives, to the full e	end of the term or
Letters Patent respectively may be granted, reissued or extended, as fully an en held and enjoyed by me/us had this assignment, and transfer not been made	
ereby covenant that I/we have full right to convey the entire interest herein assi	
d and will not execute any agreement in conflict herewith, and I/we further cov	
me a request is made, and without undue delay, execute and deliver all such pole to perfect the title to said invention(s) or improvement(s), said application	and said Letters
s successors, assigns, nominees or legal representatives, and I/we agree to ince, all known facts respecting said invention(s) or improvement(s), said app dify in any legal proceedings, to sign all lawful papers, to execute all disclaimers, reissue and foreign applications, to make all rightful oaths and declarations,	communicate to plication and said is and divisionals, , and generally to
ble to aid HPDC, its successors, assigns, nominees and legal representative eir own benefit, proper patent protection for said invention(s) or improvement(es to obtain and (s) in any and all
ne expenses which may be incurred by me/us in lending such cooperation an	
ereby authorize and request the Commissioner of Patents and Trademarks of t	
any country or countries foreign to the United States whose duty it is to issaid, to issue to HPDC, as assignee of the entire right, title and interest, an	ny and all Letters
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tition(s) or improvement(s), including any and all Letters Patent of the United Sed on or as a result of the application aforesaid, in accordance with the terms of rauthorize and direct the attorneys of record to insert the serial number and fillfield by the attorney docket number and title set forth above as soon as the them by the United States Patent and Trademark Office. WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed Date Application Signed)) ss.:)	this assignment. filing date of said same shall have
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PATENT APPLICATION

ATTORNEY DOCKET NO.

200703800-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Part December
Date Assignment Signed R. Badri Nongyanan Inventor's Signature (Seal) Badri Narayanan RANGANATHAN Decamber Date Application Signed Inventor's Typed Name State of) 88. County of who is personally , personally appeared Badri Narayanan RANGANATHAN Before me this cay of 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. Notery Public My Commission Expires Date Assignment Signed Inventor's Signature (Seal) Srinivasu GODAVARI Date Application Signed Inventor's Typed Name State of 388.3 County of who is personally Srinivasu GODAVARI , personally appeared Before me this day of 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 Notery Public My Commission Expires: Date Assignment Signed Inventor's Signature (Seal) Anjaneyulu Seetha Rama KUCHIBHOTLA Date Application Signed Inventor's Typed Name State of) ss.: County of , personally appeared Anjaneyulu Seetha Rama KUCHIBHOTLA who is personally Before me this day of 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 Nelary Public My Commission Expires: Page 2 of 3 Rev. 1(908 (Assignment)

PATENT APPLICATION

200703800-2 ATTORNEY DOCKET NO. ..

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed Inventor's Signature (Seal) Nagabhushana Ayyanahalli MATAD Date Application Signed Inventor's Typed Name State of) 55.: County of Nagabhushana Ayyanahalli MATAD personally appeared Before me this day of 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 Notary Public Date Assignment Signed inventor's Signature (Seal) Date Application Signed inventor's Typed Name State of 1 55. County of day of , personally appeared 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. Notary Public My Commission Expires Date Assignment Signed Inventor's Signature (Seal) Date Application Signed Inventor's Typed Name State of County of who is personally , personally appeared 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. Notary Public Page 3 of 3

> **PATENT REEL: 022066 FRAME: 0927**

RECORDED: 01/07/2009

Rev 10/08 (Assignment