U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

ATTORNEY DOCKET NO. _____ 200903274-1

RECORDATION FORM COVER SHEET				
PATENTS ONLY				
Name of convoying party(ics):	Name and address of receiving party(ies):			
Manish MARWAH	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.			
Amīp J. SHAH	11445 Compaq Center Drive West			
Ratnesh Kumar SHARMA	Houston, TX 77070			
Thomas W. CHRISTIAN				
Paulo MACIEL				
Additional name(s) of conveying party(les) attached? Yes No	Additional name(s) and address(es) attached? ☐Yes ☒No			
3. Nature of Conveyance:				
X Assignment ☐ Merger ☐ Change of	f Name Security Agreement Joint			
Other				
	<u></u>			
Execution Date(s):09/11/2009, 09/11/2009, 09/11/2009, 09/11	1/2009, 9/11/2009			
4. Application number(s) or patent numbor(s):	e la fer la			
If this document is being filed together with a new application	on, execution date of the application is:			
A, Patent Application No.(s)	DD/45/0000			
Processing of the control of the con	09/15/2009			
Confirmation No.: 1043 B. Patent N	lo.(s):			
Additional numbers attached? NO				
5. 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	Enclased			
Intelloctual Property Administration HEWLETT-PACKARD COMPANY	V Authorization to be about all to demonif consumt			
3404 E. Harmony Road, Mail Stop 35	X Authorization to be charged to deposit account.			
Fort Collins, Colorado 80528	8. Deposit Account Number: 08-2025			
9. Statement and signature.				
To the best of my knowledge and belief, the foregoing infor copy of the original document.	mation is true and correct and any attached copy is a true			
copy of the original document.				
_				
John P. Wagner, Jr. Name of Person Signing Sign				
Total number of pages including coversheet, attachments, and documents:				
Documents to be recorded (including cover sheet) 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				
Page 1 of 1				
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Rev 05/09 (RecdAsgn)

PATENT REEL: 023237 FRAME: 0592 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400 PATENT APPLICATION

ATTORNEY DOCKET NO. _____200903274-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereb DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership have Texas, (horeinafter HPDC), in furtherance of my/our obligations subsidiaries and affiliates, and do hereby assign and transfer to HPDC title and interest, including the right of priority, in, to and under an appentitled;	ring its principal place of business in Houslon, to the Hewlett-Packard Company and its C, its successors and essigns, the entire right,
DETERMINING SUSTAINABILITY OF A DATA CENTER	
Filing Date: Applicati	on No.:
and the invention(s) and improvement(s) set forth therein, and any a P's), divisionals, and renewals of and substitutes for said application. Petent of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/or	for said Letters Patent, and any and all Letters hay be granted thereon or therefore; and any
held and enjoyed by HPDC, its successors, assigns, nominees or legi- terms for which said Letters Patent respectively may be granted, reli- same would have been held and enjoyed by mo/us had this assignme	al representatives, to the full end of the term or esued or extended, as fully and entirely as the
AND I/we hereby covenant that I/we have full right to convey we have not executed and will not execute any agreement in conflict that I/we will, each time a request is made, and without undue delay, necessary or desirable to perfect the title to said invention(s) or imp. Patent, to HPDC, its successors, assigns, nominees or legal representations or legal representations. The list nominee, all known facts respecting said invention(s) Letters Patent, to testify in any legal proceedings, to sign all lawful parcontinuations, C-I-P's, reissue and foreign applications, to make all rido everything possible to aid HPDC, its successors, assigns, nominees.	the entire interest herein assigned, and that I/ herewith, and I/we further covenant and agree execute and deliver all such papers as may be erovement(s), said application and said Letters sentatives, and I/we agree to communicate to or improvement(s), said application and said pers, to execute all disclaimers and divisionals, ghtful oaths and declarations, and generally to nees and legal representatives to obtain and
enforce, for its or their own benefit, propor patent protection for said countries provided the expenses which may be incurred by me/us in paid by HPDC;	
AND I/we hereby authorize and request the Commissioner of and any official of any country or countries foreign to the United applications as aforesaid, to issue to HPDC, as assignee of the entitle Patent for said invention(s) or improvement(s), including any and all be issued and granted on or as a result of the application aforesaid, in I/we further authorize and direct the attorneys of record to application now identified by the attorney docket number and title so been made known to them by the United States Patent and Trademar	States whose duty it is to issue patents on tire right, title and interest, any and all Letters Letters Patent of the United States which may accordance with the terms of this assignment, insert the serial number and filing date of said at forth above as soon as the same shall have
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and :	seal(s):
	9/11/2009
Inventor's Signature (Soal)	Date Assignment Signed
methor a organica (coor)	9/11/2009
Manish MARWAH	7/11/2007
Inventor's Typed Name	Date Application Signed
State of)	
) ss.:	
County of)	
Before me this day of personally appeared	Manish MARWAH who is personally
known or proved to me on the basis of satisfactory evidence to be the per assignment to be his/her froe act and deed.	son who acknowledged the loregoing instrument of
	Notary Public

Page 1 of 3

My Commission Expires:

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

PATENT APPLICATION

ATTORNEY DOCKET NO. ____200903274-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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Inventor's Signature (Seal)		Date Assignment Signed	<u> </u>
) 		09/11/2009	
Amip J. SHAH Inventor's Typed Name	 	Date Application Signed	
•		., -	
State of)		
County of) ss.: \		
	, personally appeared	Amíp J. SHAH	who is personally
		the person who acknowledged the	
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LA WING	·	Date Assignment Signed	2
Inventor's Signature (Seal)		Date Assignment Signed	1
Ratnesh Kumar SHARMA		09/11/2009	
Inventor's Typed Name		Date Application Signed	The state of the s
State of)		
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Before me thisday of known or proved to me on the b	, personally appeared	Ratnesh Kumar SHARMA the person who acknowledged the	who is personally who is personally of
assignment to be his/her free act a			
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		My Commission Expires:	
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Inventor's Signature (Seal)		Date Assignment Signed	
Thomas W. CHRISTIAN Inventor's Typed Name	ALC LINE WILLIAM CONTROL	Date Application Signed	
inventor's Typed Mane		Date Application Signed	
State of)		
) ss.:		
County of	j		
Before me thisday of	, personally appeared	Thomas W. CHRISTIAN	who is personally
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HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400 PATENT APPLICATION

ATTORNEY DOCKET NO. 200903274-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

Inventor's Signature (Sesi)		Date Assignment Signed
Amip J. SHAH		
Inventor's Typed Name		Date Application Signed
State of)	
) ss .:	
County of	j	·
Before me this day of	, personally appeared	Amip J. SHAH who is personally
	asis of satisfactory evidence to be	the person who acknowledged the foregoing instrument of
		Notery Public
		My Commission Expires:
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Ratnesh Kumar SHARMA		
Inventor's Typod Name		Date Application Signed
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Inventor's Signature (Seal)		Date Assignment Signed
		7/11/2009
Thomas W. CHRISTIAN		
inventor's Typed Name		Date Application Signed
State of	1	
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County of)	
Before me this day of	, personally appeared	Thomas W. CHRISTIAN who is personally
known or proved to me on the b	asis of satisfactory evidence to be	the person who acknowledged the foregoing instrument of
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	Page 2 of 3	My Commission Expires:
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REEL: 023237 FRAME: 0595

Rev 10/03 (Assignment)

HEWLETT-PACKARD COMPANY PATENT APPLICATION Intellectual Property Administrator P.O. Box 272400 ATTORNEY DOCKET NO. 200903274-1 Fort Collins, Colorado 89527-2400 ASSIGNMENT OF PATENT APPLICATION (cont.) liy/our hand(s) and seal(s): Paulo MAČIEL Inventor's Typed Name State of County of , personally appeared_ Paulo MACIEL 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. Notary Public My Commission Expens. Inventor's Signature (Seal) Date Assignment Signed Inventor's Typed Name Date Application Signed State of 98.5 County of Before me this 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. NACTO Public My Corporation Supiness Date Assignment Signed Inventor's Signature (Seat) Inventor's Typed Name Date Application Signed State of)) \$\$,: County of Before me this 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 Philips Fify Commission Expires: Page 3 of 3

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RECORDED: 09/15/2009

PATENT REEL: 023237 FRAME: 0597