ATTORNEY DOCKET NO	200802607-1				Patent and Tra	demark Office
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		-	103547	554		
1. Name of conveying par	rty(ies):	······································	2. Name an	d address of rec	ceiving party(ies):	
Sujoy BASU			HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.			MPANY, L.P.
Sharad SINGHAL Sven GRAUPNER			11445 Compaq Center Drive West Houston, TX 77707			
Mehmet Kivanc OZON	AT					
Donald E. YOUNG						
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Additional name(s) of conve 3. Nature of Conveyance:		T L Yes AND	Additional lia	me(s) and address	s(es) attached?Ye	s ×No
★ Assignment ★ Assignment	□Merger	☐ Change o	of Name	Security	Agreement	Joint
Other					, (g. Caa	
Execution Date(s):1/29/09	9. 1/29/09. 1/29/09. 1	/30/09. 1/28/09	9			
Application number(s)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		·		
If this document is bein	g filed together with a	a new applicati	on, execution	date of the appl	ication is:	
A. Patent Application N		• •	•	• •		
Application No.: 12	* *	Date Filed	: January 30,	2009		
Confirmation No.: 25	i 2 9	B. Patent N	No.(s):			
			• •		FEB - 2 200)9
Additional numbers attached? NO		6 Total nur	nher of application	ons and natents invo	olved: 1	
Name and address of p concerning document s	party to whom corresp should be mailed:	oondence	6. Total number of applications and patents involved: 1 7. Total Fee (37 CFR 3.41): \$40.00			
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Records Manager Intellectual Property	Administration		Enclosed			
HEWLETT-PACKARD COMPANY			X_Authorization to be charged to deposit account.			
P.O. Box 272400 Fort Collins, Colorado 80527-2400		8. Deposit Account Number: <u>08-2025</u>				
9. Statement and signatur		A	<u> </u>			
To the best of my know		foregoing info	mation is true	e and correct and	d any attached copy	is a true
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	number of pages inclu	uding covershe	et, attachmer	nts, and docume	nts: <u>5</u>	
				favod to (571) 27	3-0140, or mailed to	o:
Documents t Mail Stop Assignme	to be recorded (includent ont Recordation Service	ces, Director of	the USPTO,	P.O. Box 1450,	Alexandria, V.A. 223	313-1450
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Rev 11/08 (RecdAsgn)

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

ATTORNEY DOCKET NO. 200802607-1

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:

RANK-ORDER SERVICE PROVIDERS BASED ON DESIRED SERVICE PROPERTIES Filing Date: January 30,2009 Application No.: 12/363698 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. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Inyentor's Signature (Seal) Sujoy (Sujoy) BASU Inventor's Typed Name State of) ss.: County of who is personally Sujoy (Sujoy) BASU , 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 My Commission Expires: Page 1 of 3 Rev 10/08 (Assignment)

PATENT

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ATTORNEY DOCKET NO. ___

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ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREC	F, I/we hereunto set my/our hand	d(s) and seal(s):		
11	Delinghal	1/99/09		
Inventor's Signature (Seal)		Date Assignment Signed		
		1/40 /00		
Sharad SINGHAL		Date Application Signed		
inventor's Typed Name		Date Application Signed		
State of	1			
Olate of) ss.;			
County of) 55., }			
Before me this day of	, personally appeared	Sharad SINGHAL who is personally		
		the person who acknowledged the foregoing instrument of		
assignment to be his/her free act a	and deed.	The person was deliterated as the longering industricity of		
		Notary Public		
		My Commission Expires:		
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	s and	1/19/2006		
		Date Assignment Signed \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
Inventor's Signature (Seal)		Date Assignment Signed		
Sven GRAUPNER		1/29/2003		
Inventor's Typed Name	· · · · · · · · · · · · · · · · · · ·	Date Application Signed		
State of)			
) ss. <i>:</i>			
County of)			
Before me this day of	, personally appeared	Sven GRAUPNER who is personally		
known or proved to me on the ba	isis of satisfactory evidence to be	the person who acknowledged the foregoing instrument of		
assignment to be his/her free act a	nd deed.			
		Notary Public My Commission Expires:		
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1 to Discourse (Cook)		Date Assignment Signed		
Inventor's Signature (Seal)				
Mehmet Kivanc OZONAT				
Inventor's Typed Name		Date Application Signed		
State of	·)			
) ss.:			
County of)	who to possessily		
Before me thisday of	personally appeared	Mehmet Kivanc OZONAT who is personally		
known or proved to me on the ba	asis of satisfactory evidence to be	the person who acknowledged the foregoing instrument of		
assignment to be his/her free act a	IIV 4664.	Notary Public		
		My Commission Expires:		
Rev 10/08 (Assignment)	Page 2 of 3	1		

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

ATTORNEY DOCKET NO. ___

200802607-1

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 Sharad SINGHAL Date Application Signed Inventor's Typed Name State of) ss.: County of , personally appeared Sharad SINGHAL Before me this 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: Inventor's Signature (Seal) Date Assignment Signed Sven GRAUPNER Inventor's Typed Name Date Application Signed State of) 55.: County of , personally appeared Sven GRAUPNER who is personally Before me this 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: O//30/09
Date Assignment Signed 60/05/10 Mehmet Kivanc OZONAT Inventor's Typed Name State of) 55.: County of Mehmet Kivanc OZONAT _, personally appeared_ Before me this 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:

Page 2 of 3

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Intellectual Property Administrator	•
P.O. Box 272400	
Fort Collins, Colorado 80527-2400	Ĵ

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ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS	WHEREOF, liwe hereunto set mylour hand(s	s) and seal(s): 1/2 6/200	79
In ventor's Signature (Se	af) (/. D	Date Assignment Signed	A TO THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
Donald E. YOUNG	0	1/28/200	9
Inventor's Typed Name		Date Application Signed	
State of) .		
*********) ss.:		
County of) [†]		
Before me this day	of, personally appeared on the basis of satisfactory evidence to be	Donald E. YOUNG	who is personally pregoral in instrument of
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Table of Contents (Selected Documents)

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