ATTORNEY DOCKET NO. 200905018-1	10-01-2010	DEPARTMENT OF COMMERCI Patent and Trademark Office
1. Name of conveying party(ies): Song Wang		ceiving party(ies):
Chetan Kumar Gupta Abhay Mehta	11445 Compaq Center D Houston, TX 77070	
Additional name(s) of conveying party(ies) attached? Yes	☐No Additional name(s) and addres	ss(es) attached? Yes No
3. Nature of Conveyance:	_	
X Assignment	ange of Name Securit	y Agreement
Other		
Execution Date(s): 09/21/2010		240
		Silmeni Hecord
4. Application number(s) or patent number(s): If this document is being filed together with a new ap A. Patent Application No.(s) Application No.: 12/887,965 Date	pplication, execution date of the app	lication is:
A. Patent Application No.(s)		10 5%
Application No.: 12/887,965 Date	e Filed: September 22, 2010	100r
	atent No.(s):	Cas Duros
Additional numbers attached? NO		
5. Name and address of party to whom correspondence	e 6. Total number of applicat	ions and patents involved: 1
	e 6. Total number of applicat 7. Total Fee (37 CFR 3.41)	
 Name and address of party to whom correspondence concerning document should be mailed: Records Manager 		
 Name and address of party to whom correspondence concerning document should be mailed: 	7. Total Fee (37 CFR 3.41)Enclosed	:\$40.00
i. Name and address of party to whom correspondence concerning document should be mailed: Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY 3404 E. Harmony Road	7. Total Fee (37 CFR 3.41) Enclosed X_Authorization to be	:
i. Name and address of party to whom correspondence concerning document should be mailed: Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY	7. Total Fee (37 CFR 3.41)Enclosed	:
5. Name and address of party to whom correspondence concerning document should be mailed: Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528	7. Total Fee (37 CFR 3.41) Enclosed X_Authorization to be 8. Deposit Account Number	charged to deposit account.
5. Name and address of party to whom correspondence concerning document should be mailed: Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528 9. Statement and signature. To the best of my knowledge and belief, the foregoin copy of the original document. Fred G. Pruner, Jr. Name of Person Signing	7. Total Fee (37 CFR 3.41) Enclosed X_Authorization to be 8. Deposit Account Number ag information is true and correct and signal units.	charged to deposit account. er: 08-2025 ad any attached copy is a true September 24, 2010 Date
5. Name and address of party to whom correspondence concerning document should be mailed: Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528 9. Statement and signature. To the best of my knowledge and belief, the foregoin copy of the original document. Fred G. Pruner, Jr.	7. Total Fee (37 CFR 3.41) Enclosed X_Authorization to be 8. Deposit Account Number ag information is true and correct and signature versheet, attachments, and docume	charged to deposit account. er: 08-2025 ad any attached copy is a true September 24, 2010 Date ents: 5 73-0140 or mailed to:

Rev 05/09 (RecdAsgn)

DEPARTMENT OF COMMERCE

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

Rev 10/09 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO.

200905018-1

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:

DETERMINING WHETHER A POINT IN A DATA ST	REAM IS AN OUTLIER USING HIERARCHICAL TREES
Filing Date:	Application No.:
P's), divisionals, and renewals of and substitutes for	erein, and any and all continuations, continuations-in-part (C-l- said application for said Letters Patent, and any and all Letters thereto which may be granted thereon or therefore; and any
I/we additionally authorize HPDC to file applications for which said Letters Patent respectively may same would have been held and enjoyed by me/us has an an an an an area would have been held and enjoyed by me/us has an an an an an area would have been held and enjoyed by me/us has an an an an area would have been held and enjoyed by me/us have full we have not executed and will not execute any agree that I/we will, each time a request is made, and withous necessary or desirable to perfect the title to said inventent, to HPDC, its successors, assigns, nominees HPDC, or to its nominee, all known facts respecting Letters Patent, to testify in any legal proceedings, to so continuations, C-I-P's, reissue and foreign application do everything possible to aid HPDC, its successors enforce, for its or their own benefit, proper patent procountries provided the expenses which may be incurpaid by HPDC; AND I/we hereby authorize and request the and any official of any country or countries foreign applications as aforesaid, to issue to HPDC, as assemble patent for said invention(s) or improvement(s), include issued and granted on or as a result of the applications are suffered to authorize and direct the attorney.	ications in my/our name for Letters Patent in any country, to be nominees or legal representatives, to the full end of the term or be granted, reissued or extended, as fully and entirely as the ad this assignment, and transfer not been made; all right to convey the entire interest herein assigned, and that I/dement in conflict herewith, and I/we further covenant and agree out undue delay, execute and deliver all such papers as may be vention(s) or improvement(s), said application and said Letters or legal representatives, and I/we agree to communicate to said invention(s) or improvement(s), said application and said sign all lawful papers, to execute all disclaimers and divisionals, as, to make all rightful oaths and declarations, and generally to sa assigns, nominees and legal representatives to obtain and rotection for said invention(s) or improvement(s) in any and all rered by me/us in lending such cooperation and assistance are Commissioner of Patents and Trademarks of the United States on to the United States whose duty it is to issue patents on signee of the entire right, title and interest, any and all Letters ding any and all Letters Patent of the United States which may all any and all Letters Patent of the United States which may all any and title set forth above as soon as the same shall have any and title set forth above as soon as the same shall have
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Inventor's Signature	Date Assignment Signed
	9/21/2010
Song Wang Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Chetan Kumar Gupta	Date Application Signed
Inventor's Typed Name	Date Application Digner

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

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ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date Assignment Signed
Abhay Mehta	
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
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nventor's Typed Name	Date Application Signed

Page 2 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

ATTORNEY DOCKET NO. 200905018-1

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 ap entitled: DETERMINING WHETHER A POINT IN A DATA STREAM IS AN O	
Ciling Data:	
and the invention(s) and improvement(s) set forth therein, and any a P's), divisionals, and renewals of and substitutes for said application Patent of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters Patent.	and all continuations, continuations-in-part (C-l- for said Letters Patent, and any and all Letters
I/we additionally authorize HPDC to file applications in my/or held and enjoyed by HPDC, its successors, assigns, nominees or leg terms for which said Letters Patent respectively may be granted, reissame would have been held and enjoyed by me/us had this assignme 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 imperatent, to HPDC, its successors, assigns, nominees or legal representation, or to its nominee, all known facts respecting said invention(s) Letters Patent, to testify in any legal proceedings, to sign all lawful paracontinuations, C-I-P's, reissue and foreign applications, to make all rido everything possible to aid HPDC, its successors, assigns, nominenforce, for its or their own benefit, proper patent protection for said	al representatives, to the full end of the term or ssued or extended, as fully and entirely as the ent, and transfer not been made; of 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 execute and deliver all such papers as may be execute 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 invention(s) or improvement(s) in any and all
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 ent 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 it application now identified by the attorney docket number and title se	f Patents and Trademarks of the United States States whose duty it is to issue patents on ire right, title and interest, any and all Letters Letters Patent of the United States which may accordance with the terms of this assignmen:. Insert the serial number and filing date of said t forth above as soon as the same shall have
been made known to them by the United States Patent and Trademarl	k Office.
Inventor's Signature	Date Assignment Signed
Song Wang Inventor's Typed Name	Date Application Signed
O Engrat	09/21/10
Invento soignature	Date Assignment Signed 09/21/10
Chetan Kumar Gupta Inventor's Typed Name	Date Application Signed

Page 1 of 2

PATENT REEL: 025082 FRAME: 0853 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

ATTORNEY DOCKET NO. 200905018-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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Inventor's Signature	Date Assignment Signed
	21 Sco 2010
Abhay Mehta	
Inventor's Typed Name	Date Application Signed
	Data Assistant Signal
Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
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Inventor's Signature	Date Assignment Signed
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Rev 10/09 (Assignment)

RECORDED: 10/01/2010

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