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ATTORNEY DOCKET NO.	200602567
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Name of conveying party(les): Ming C HAO Tobias SCHRECK Umeshwar DAYAL Daniel KEIM Additional name(s) of conveying party(ies) attached?
Ming C HAO Tobias SCHRECK Umeshwar DAYAL Daniel KEIM Meditional name(s) of conveying party(les) attached? Yes No Additional name(s) and address(es) attached? Yes No
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20565 SH 249 Houston, TX 77070 Additional name(s) of conveying party(ies) attached? Yes No Additional name(s) and address(es) attached? Yes No Nature of Conveyance: Assignment Merger Change of Name Security Agreement Joint Other Security Date(s):03/16/07, 03/15/07, 03/15/07
Tobias SCHRECK Umeshwar DAYAL Daniel KEIM Additional name(s) of conveying party(ies) attached?
Daniel KEIM Additional name(s) of conveying party(ies) attached?
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Nature of Conveyance: Assignment
Assignment
Other Execution Date(s):03/16/07, 03/15/07, 03/15/07 Application number(s) or patent number(s): If this document is being filed together with a new application, execution date of the application is: A. Patent Application No.(s) Application No.: 11700429 Date Filed: 01/31/07 Confirmation No.:8799 B. Patent No.(s): Additional numbers attached? NO Name and address of party to whom correspondence 6. Total number of applications and patents involved:1
Execution Date(s):03/16/07, 03/15/07, 03/15/07, 03/15/07 Application number(s) or patent number(s): If this document is being filed together with a new application, execution date of the application is: A. Patent Application No.(s) Application No.: 11700429 Date Filed: 01/31/07 Confirmation No.: 8799 B. Patent No.(s): Additional numbers attached? NO Name and address of party to whom correspondence 6. Total number of applications and patents involved:1
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7. Total Fee (37 CFR 3.41);\$40.00
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>
), Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Linux E Dakin
Lloyd E Dakin April (6, 2007 Name of Person Signing Signature Date
Total number of pages including coversheet, attachments, and documents:5_
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 5

Rev 02/07 (RecdAsgn)

PATENT REEL: 019168 FRAME: 0805

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

PATENT APPLICATION

ATTORNEY DOCKET NO. _

200602567-1

ASSIGNMENT OF PATENT APPLICATION

IWe, 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, Texes, (hereinefter HPDC). In furtherance of my/our obligations to the Hewlett-Peckerd 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

Providing an Automated Visualization of a Collection of Date Values Divided into a Number of Bins Depending Upon a Change Feature of the Data Values 01-31-2007 Filing Date: Application No.: . 11/700, 429

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-t-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 Petent 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 fiereby coveriant 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 horowith, and I/we further opvenant and agree that live will, each time a request is made, and without undus 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 live agree to communicate to HPDC, or to its nonlinee, all known facts respecting said invention(a) 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, release and foreign applications, to make all rightful paths 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 mo/ue in landing 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 eforesald, 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.

t/we further authorize and direct the attorneys of record to incert 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 WITH	NESS WHEREC)F, I/we hereunto set my/our hand(s)	end sesi(s):	•
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HEWLETT-PACKARD COMPANY PATENT APPLICATION Intellectual Property Administrator P.O. Box 272400 200602567-1 ATTORNEY DOCKET NO. Fort Colline, Culoratio 80327-2400 ASSIGNMENT OF PATENT APPLICATION (cont.) IN WITNESS WHEREOF, two hereunto set my/our hand(e) and seglic): inventor's Signature (Seal) Tobics Schreck Inventor's Typed Name State of) 23.; County of day of . personelly appeared **Tobias Schreck** 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. MIN'S PURE My Commission Explane inventor's Signature (Seal) Date Assignment Signed Umeshwar Dayal Inventor's Typed Name Date Application Signed State of) 38. County of Umethwar Dayal who is personally Before me this 👙 day of , personally appeared known or proved to me on the basis of satisfactory evidence to be the person who ocknowledged the foregoing instrument of sasignment to be his/her free not and deed. NAMES OF TAXABLE My Committee February **Date Assignment Signed** inventor's Signature (Seal) Daniel A. Keim Inventor's Typed Name Date Application Signed State of County of Before me this who is personally day of , personally appeared Danisi A. Keim known or proved to me on the basis of zatisfactory evidence to be the person who acknowledged the foregoing instrument of nexignment to be his/her free set and deed. PORTY PLOTE My Commission Exchan: Page 2 of 2 Rev 1000s (Ausignment)

> PATENT REEL: 019168 FRAME: 0807

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado; 90527-2400

PATENT APPLICATION

ATTORNEY DOOKET NO. _____200602567-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

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