502205509 01/24/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ming C. Hao	01/17/2013
Sebastian Mittelstaedt	01/15/2013
Umeshwar Dayal	01/18/2013
Meichun Hsu	01/18/2013
Daniel Keim	01/15/2013

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:	13745985

CORRESPONDENCE DATA

Fax Number: 9707784063

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (541)715-8443

Email: pto.assignments@hp.com

Correspondent Name: Hewlett-Packard Company

Address Line 1: 3404 E. Harmony Road MS 35

Address Line 2: Intellectual Property Administration

Address Line 4: Fort Collins, COLORADO 80528

NAME OF SUBMITTER: Dan C. Hu

Total Attachments: 4

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> PATENT REEL: 029684 FRAME: 0036

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

PATENT	APPI	ic.A	TION

RECORD ID:	83108365

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to 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 Patent entitled:

VISUALIZATION THAT INDICATES EVENT SIGNIFICANCE REPRESENTED BY A

DISCRIMINATIVE METRIC COMPUTED USING A CONTINGENCY CALCULATION

Filing Date: January 21, 2013 Application No.: 13/745,985

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 Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Patent.

I/we additionally authorize HPDC to file applications in my/our name for 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 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 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 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 official of any country or countries 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 Patent for said invention(s) or improvement(s) 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 filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

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

me C Hao	January 17, 2013
102-5 C 14-0 Inventor's Signature	Date Assignment Signed
Ming C. Hao Inventor's Typed Name	Tanal Application Signed Date Application Signed
Inventor's Signature	Date Assignment Signed
Sebastian Mittelstaedt inventor's Typed Name	Date Application Signed

Rev 10/2012 (Assignment)

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

PATENT APPLICATION

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	RECORD ID:	83108365

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AND live hereby authorize and request the official of any country or countries 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 Patent for said invention(s) or improvement(s) 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 filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

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

Inventor's Signature	Date Assignment Signed
Ming C. Hao	
Inventor's Typed Name	Date Application Signed
C. 440	15.01, 2013
Inventor's Signature	Date Assignment Signed
Sebastian Mittelstaedt	45.01.2013
Inventor's Typed Name	Date Application Signed

Rev 10/2012 (Assignment)

Page 1 of 2

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

PATENT APPLICATION

3404 E. Harmony Road Mail Stop 35	RECORD ID: 83108365
Fort Collins, Colorado 80528	OF PATENT APPLICATION (cont.)
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Inventor's Signature	Date Assignment Signed
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Umeshwar Dayal Inventor's Typed Name	Date Application Signed
Inventor's Signature Meichun Hsu Inventor's Typed Name	Date Application Signed Date Application Signed
Inventor's Signature Daniel Keim Inventor's Typed Name	Date Assignment Signed Date Application Signed
Inventor's Signature	Date Assignment Signed
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Page 2 of 2

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RECORD ID:	83108365	

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date Assignment Signed
Umeshwar Dayal	
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Inventor's Signature	Date Assignment Signed
Meichun Hsu	:
Inventor's Typed Name	Date Application Signed
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Inventor's Signature	Date Assignment Signed
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Daniel Keim	Date Application Signed
Inventor's Typed Name	Date Application Signed
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