502009757 08/01/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Bin Zhang	07/26/2012
Meichun Hsu	07/26/2012

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:	13562598

CORRESPONDENCE DATA

Fax Number: 9707784063 Phone: (541)715-8443

Email: pto.assignments@hp.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

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: Michael Dryja

Total Attachments: 1 source=704asgn#page1.tif

> **PATENT** REEL: 028695 FRAME: 0799

502009757

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

CATCLIT	A DOLLA	~	
PATENT	APPLI	CAI	ICIN

RECORD ID:	<u>83013819</u>

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agroo to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston,

 subsidiaries and affiliates, and do hereby assign and trans 	obligations to the Hewlett-Packard Company and its ser to HPDC, its successors and assigns, the entire right, ander an application for Letters Patent of the United States
Hierarchical cluster determination based on subgraph	density
Filing Date: 7/31/2012	Application No.: 13/562,598
P's), divisionals, and renewals of and substitutes for said Patent of the United States and of countrios foreign their reissues, or reexaminations, or extensions of said Letters. I/we additionally authorize HPDC to file application held and enjoyed by HPDC, its successors, assigns, nomiterms for which said Letters Patent respectively may be a same would have been held and enjoyed by me/us had the AND t/we hereby covenant that I/we have full rig we have not executed and will not execute any agreement hat I/we will, each time a request is made, and without unnecessary or desirable to perfect the title to said inventional Patent, to HPDC, its successors, assigns, nominees or HPDC, or to its nominee, all known facts respecting said Letters Patent, to testify in any logal proceedings, to sign a continuations. C-I-P's, reissue and foreign applications, to do everything possible to aid HPDC, its successors, as onforce, for its or their own benefit, proper patent protect countries provided the exponses which may be incurred paid by HPDC;	and any and all continuations, continuations-in-part (C-l- application for said Letters Patent, and any and all Letters reto which may be granted thereon or therefore; and any Patent. Ons in my/our name for Letters Patent in any country, to be inees or legal representatives, to the full end of the term or granted, reissued or extended, as fully and entirely as the is assignment, and transfer not been made; the to convey the entire interest herein assigned, and that I/ at in conflict herewith, and I/we further covenant and agree and delay, execute and deliver all such papers as may be con(s) or improvement(s), said application and said Letters logal representatives, and I/we agree to communicate to invention(s) or improvement(s), said application and said all lawful papers, to execute all disclaimers and divisionals or make all rightful eaths and declarations, and generally to signs, nominees and legal representatives to obtain and tion for said invention(s) or improvement(s) in any and all by me/us in lending such cooperation and assistance are
and any official of any country or countries foreign to applications as aforesaid, to issue to HPDC, as assigned Patent for said invention(s) or improvement(s), including a be issued and granted on or as a result of the application at live further authorize and direct the attorneys of	missioner of Patents and Trademarks of the United States tho United States whose duty it is to issue patents on of the entire right, title and interest, any and all Letters any and all Letters Patent of the United States which may aforesaid, in accordance with the terms of this assignment. If record to insert the serial number and filing date of said forth above as soon as the same shall have been made to Office.
Inventor's Signature Bin Zhang Inventor's Typed Name	7 26 12 Date Assignment Signed Date Application Signed
Inventor's Signature Meichun Hsu Inventor's Typcd Name	Date Assignment Signed 7-26-2012 Date Application Signed

Rev 09/11 (Assignment)

Page 1 of 1