

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2708174

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>JIANHUA YANG</td><td>01/30/2014</td></tr><tr><td>NING GE</td><td>01/30/2014</td></tr><tr><td>ZHIYONG LI</td><td>01/30/2014</td></tr><tr><td>MINXIAN MAX ZHANG</td><td>01/30/2014</td></tr></tbody></table>		Name	Execution Date	JIANHUA YANG	01/30/2014	NING GE	01/30/2014	ZHIYONG LI	01/30/2014	MINXIAN MAX ZHANG	01/30/2014
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Hewlett-Packard Development Company, L.P.</td></tr><tr><td>Street Address:</td><td>11445 Compaq Center Drive West</td></tr><tr><td>City:</td><td>Houston</td></tr><tr><td>State/Country:</td><td>TEXAS</td></tr><tr><td>Postal Code:</td><td>77070</td></tr></table>		Name:	Hewlett-Packard Development Company, L.P.	Street Address:	11445 Compaq Center Drive West	City:	Houston	State/Country:	TEXAS	Postal Code:	77070
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PROPERTY NUMBERS Total: 1											
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Application Number:	14169375										
CORRESPONDENCE DATA											
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Address Line 4: FORT COLLINS, COLORADO 80528											
NAME OF SUBMITTER:	MARY K. THUERINGER										
Signature:	/Mary K. Thueringer/										

Date:

01/31/2014

Total Attachments: 2

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

PATENT APPLICATION

RECORD ID: 83801133

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:

FORMING MEMRISTORS ON IMAGING DEVICES

Filing Date: Herewith

Application No.:

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):

Inventor's Signature

Date

Jianhua Yang

Inventor's Typed Name

Inventor's Signature

Date

Ning Ge

Inventor's Typed Name

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

PATENT APPLICATION

RECORD ID: 83801133

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature

Date

1/30/2014

Zhiyong Li

Inventor's Typed Name

Inventor's Signature

Date

1/30/2014

Minxian Max Zhang

Inventor's Typed Name

Inventor's Signature

Date

Inventor's Typed Name

Inventor's Signature

Date

Inventor's Typed Name

Inventor's Signature

Date

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Date

Inventor's Typed Name