

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Doe Hyun Yoon</td> <td>11/29/2012</td> </tr> <tr> <td>Jichuan Chang</td> <td>11/29/2012</td> </tr> <tr> <td>Naveen Muralimanohar</td> <td>11/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Doe Hyun Yoon	11/29/2012	Jichuan Chang	11/29/2012	Naveen Muralimanohar	11/29/2012
Name	Execution Date								
Doe Hyun Yoon	11/29/2012								
Jichuan Chang	11/29/2012								
Naveen Muralimanohar	11/29/2012								
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									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13689814</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13689814				
Property Type	Number								
Application Number:	13689814								
CORRESPONDENCE DATA									
Fax Number:	9707784063								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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:	Maureen Capozzi								
<p>Total Attachments: 3 source=83086483_Executed_Assignment_Recordal#page1.tif source=83086483_Executed_Assignment_Recordal#page2.tif source=83086483_Executed_Assignment_Recordal#page3.tif</p>									

CH \$40.00 13689814

PATENT

ATTORNEY DOCKET NO. 83086483

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

1. Name of conveying party(ies): Doe Hyun Yoon Jichuan Chang Naveen Muralimanohar	2. Name and address of receiving party(ies): HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 11445 Compaq Center Drive West Houston, TX 77070
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

3. Nature of Conveyance:

Assignment
 Merger
 Change of Name
 Security Agreement
 Joint
 Other

Execution Date(s): 11/29/2012

4. 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.: 13/689814 Date Filed: Nov 30, 2012
 Confirmation No.: 1025 B. Patent No.(s):

Additional numbers attached? NO

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	6. Total number of applications and patents involved: <u>1</u>
	7. Total Fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorization to be charged to deposit account.
	8. Deposit Account Number: <u>08-2025</u>

9. 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.

Aaron S. Ward /Aaron S. Ward, Reg. No. 52,342/ January 11, 2013
 Name of Person Signing Signature Date

Total number of pages including coversheet, attachments, and documents: 3

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

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

PATENT APPLICATION

RECORD ID: 83086483

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:

MEMORY ERROR IDENTIFICATION BASED ON CORRUPTED SYMBOL PATTERNS

Filing Date: November 30, 2012 Application No.: 13/689814

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.

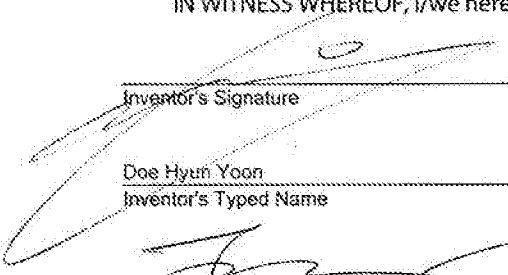
I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as 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.

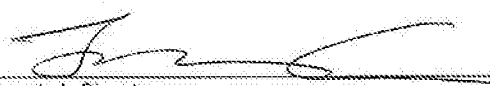
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):


Inventor's Signature

11/29/2012
Date Assignment Signed

Doe Hyun Yoon
Inventor's Typed Name

11/29/2012
Date Application Signed


Inventor's Signature

11/29/2012
Date Assignment Signed

Jichuan Chang
Inventor's Typed Name


11/28/2012
Date Application Signed

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

PATENT APPLICATION

RECORD ID: 83086483

ASSIGNMENT OF PATENT APPLICATION (cont.)


Inventor's Signature 11/29/12
Date Assignment Signed

Naveen Muralimanohar
Inventor's Typed Name 11/29/12
Date Application Signed

Inventor's Signature _____
Date Assignment Signed

Inventor's Typed Name _____
Date Application Signed

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