

08-04-2009

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeATTORNEY DOCKET NO. 2009024

12510753

103569446

## 1. Name of conveying party(ies):

Alexandre M. Bratkovski  
Shih-Yuan Wang  
Jianhua Yang  
Michael Stuke

## 2. Name and address of receiving party(ies):

HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.  
11445 Compaq Center Drive West  
Houston, TX 77070Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoAdditional name(s) and address(es) attached? ☐ Yes ☒ No

## 3. Nature of Conveyance:

☒ Assignment ☐ Merger ☐ Change of Name ☐ Security Agreement ☐ Joint  
☐ Other

Execution Date(s): 7/23/09; 7/24/09; 7/23/09; 7/27/09

## 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.: 12/510,753

Date Filed: July 28, 2009

Confirmation No.: 2479

## 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**  
**P.O. Box 272400**  
**Fort Collins, Colorado 80527-2400**6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): . . . . . \$40.00

☐ Enclosed☒ Authorization to be charged to deposit account.8. Deposit Account Number: 08-2025

## 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.*Timothy B. Kang  
Name of Person Signing  
SignatureJuly 29, 2009  
DateTotal number of pages including coversheet, attachments, and documents: 4Documents 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 4

Rev 05/09 (RecdAsgn)

**PATENT**  
**REEL: 023048 FRAME: 0080**

ASSIGNMENT OF PATENT APPLICATION

I/We, 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, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard 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 entitled:

MEMRISTOR WITH A NON-PLANAR SUBSTRATE

Filing Date: July 28, 2009

Application No.: 12/510,753

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 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 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 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 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 Letters 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 Letters 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 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 aforesaid, 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.

I/we further authorize and direct the attorneys of record to insert 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 WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

*Alexandre M. Bratkovski*  
Inventor's Signature (Seal)

*7/23/09*  
Date Assignment Signed

Alexandre M. Bratkovski  
Inventor's Typed Name

*7/23/09*  
Date Application Signed

State of California )

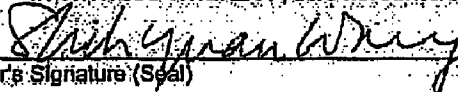
County of United States )

Before me, this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Alexandre M. Bratkovski 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.

Notary Public  
My Commission Expires

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

  
Inventor's Signature (Seal)

7/24/09  
Date Assignment Signed

Shih-Yuan Wang  
Inventor's Typed Name

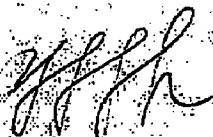
7/24/09  
Date Application Signed

State of California

County of United States

Before me this day of , personally appeared Shih-Yuan Wang 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.

Notary Public  
My Commission Expires:

  
Inventor's Signature (Seal)

07/23/2009  
Date Assignment Signed

Jianhua Yang  
Inventor's Typed Name

07/23/2009  
Date Application Signed

State of California

County of United States

Before me this day of , personally appeared Jianhua Yang 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.

Notary Public  
My Commission Expires:

Inventor's Signature (Seal)

Date Assignment Signed

Michael Stuke

Inventor's Typed Name

Date Application Signed

State of California

County of United States

Before me this day of , personally appeared Michael Stuke 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.

Notary Public  
My Commission Expires:

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200902414-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

Inventor's Signature (Seal)

Date Assignment Signed

Shih-Yuan Wang

Inventor's Typed Name

Date Application Signed

State of California )

) ss.:

County of United States )

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Shih-Yuan Wang 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.

Notary Public

My Commission Expires:

Inventor's Signature (Seal)

Date Assignment Signed

Jianhua Yang

Inventor's Typed Name

Date Application Signed

State of California )

) ss.:

County of United States )

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Jianhua Yang 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.

Notary Public

My Commission Expires:

Inventor's Signature (Seal)

Date Assignment Signed

Michael Stuke

Inventor's Typed Name

Date Application Signed

State of California )

) ss.:

County of United States )

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Michael Stuke 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.

Notary Public

My Commission Expires:

## Table of Contents (Selected Documents)

Date	Code	Pages	Source	PackageID	Annotation
07-29-2009	R3.73B	4	EFSW	US 1251075302P1	