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U.S. Department of Commerce  
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Form PTO-595

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

*Resubm*

1. Name of conveying party(ies): 2-3-03

Hewlett-Packard Limited  
James Andrew Davis  
Jonathan Jedwab  
Stephen Morley  
Kenneth Graham Paterson

*9.9.02*

Additional name(s) of conveying parties attached?  YES  NO

2. Name and address of receiving parties:

Name: Hewlett-Packard Company

Internal Address: \_\_\_\_\_

Street Address: 3000 Hanover Street

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other Assignment by operation of law

Execution Dates: 5/14/2002 by James Andrew Davis  
8/7/2002 by Hewlett-Packard Limited

City: Palo Alto State: California

Zip: 94304 Country: U.S.A.

Additional name(s) & address(es) attached?  YES  NO

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No(s): 10/093,832 B. Patent No(s): \_\_\_\_\_

Additional numbers attached?  YES  NO

6. Total number of application and patents involved: [ 1 ]

7. Total fee 937 CFR 3.41)..... \$ 40.00

Enclosed

Any additional fees which may be required are

Authorized to be charged to deposit account

No. 12-0415

8. Deposit account number: \_\_\_\_\_

(Attach duplicate copy of this page if paying by deposit account)

5. Name and address of party to whom correspondence concerning document should be mailed:

Richard P. Berg  
Name: LADAS & PARRY

Internal Address: \_\_\_\_\_

Street Address: 5670 Wilshire Boulevard, #2100

City: Los Angeles State: CA Zip: 90036

8. Deposit account number: \_\_\_\_\_

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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.*

Richard P. Berg *[Signature]* August 23, 2002

Name of Person Signing Signature Date

Reg. No. 28,145

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(SEE PAGE 2 FOR CERTIFICATE OF MAILING)

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PATENT  
REEL: 013711 FRAME: 0240

**ASSIGNMENT**

WHEREAS, Hewlett-Packard Limited (an English Company of Bracknell, England) is, by operation of Section 39 of the United Kingdom Patents Act of 1977 relating to employee inventions, a joint first owner of the invention entitled:

**Magneto-resistive Solid-State Storage Device and Data Storage Methods for Use Therein**

devised by:

**James Andrew Davis, Jonathan Jedwab, Stephen Morley and Kenneth Graham Paterson**

NOW, THEREFORE, in accordance with an Agreement between Hewlett-Packard Limited and Hewlett-Packard Company (a Delaware corporation having its principal place of business in Palo Alto, California), Hewlett-Packard Limited hereby perfects the assignment to Hewlett-Packard Company, its successors and assigns, of its share of the following rights and confirms that as a result of this Assignment and any prior agreement between Hewlett-Packard Limited and Hewlett-Packard Company any share of the following rights first owned by Hewlett-Packard Limited is now transferred to Hewlett-Packard Company: (a) the right to file and prosecute an application for Letters Patent for the above identified invention in each country worldwide, including, in particular, the Letters Patent for United States Patent Application entitled:

**Magneto-resistive Solid-State Storage Device and Data Storage Methods for Use Therein**

**U.S. Patent Application Serial No. 10/093,832**

**Filed on 8 March 2002**

and executed by the below named inventors on the indicated dates

executed by Jonathan Jedwab	on 21 May 2002
executed by Stephen Morley	on 19 April 2002
executed by Kenneth Graham Paterson	on 18 April 2002
executed by _____	on _____
executed by _____	on _____

and (b) the right to claim any and all priority rights, especially from the first-filed patent or utility model applications, relative to the above-identified invention, as well as (c) the right to obtain Letters Patents in each country and the right, title and interest in such Letters Patents as consistent with the Agreement between Hewlett-Packard Limited and Hewlett-Packard Company.

IN WITNESS WHEREOF, this Assignment is executed by a duly authorized representative of Hewlett-Packard Limited.

By:   
Richard A. Lawrence

Title: Corporate IP Attorney

Date: 7 August 2002

When recorded please return to:  
HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

**ASSIGNMENT OF PATENT APPLICATION**

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, 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:

**Magneto-resistive Solid-State Storage Device And Data Storage Methods For Use Therewith**

Filing date: \_\_\_\_\_ 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 Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HP, 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 HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, 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 HP, 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 HP;

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 HP, 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 HP attorneys 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):

James Andrew Davis Date Assignment Signed: 14 May 2002  
Inventor's Signature (Seal)

Inventor's Typed Name: James Andrew Davis Date Application Signed: 14 May 2002

State of Virginia )  
City Richmond ) ss.:

Before me this 14 day of May 2002, personally appeared James Andrew Davis 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.

Hee Ann Robertson  
Notary Public  
My commission expires: 09-30-05

**PATENT**