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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

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Tab settings

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

1. Name of conveying party(ies): 8.1.03 International Business Machines Corporation

2. Name and address of receiving party(ies) Name: Hitachi Global Storage Technologies Netherlands B.V. Internal Address:

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Street Address: Locatelikade 1 1076 AZ Amsterdam P.O. Box 75215 1070 AE Amsterdam The Netherlands

Execution Date: June 30, 2003

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) 09/378,059

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Hitachi Global Storage Technologies

Internal Address: Mail Stop: NHGB/014-2

Street Address: 5600 Cottle Road

City: San Jose State: Ca Zip: 95193

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

[] Enclosed [X] Authorized to be charged to deposit account

8. Deposit account number:

50-2587

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

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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.

Lewis L. Nunnelley

Name of Person Signing

Signature

7/29/03 Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 014335 FRAME: 0601

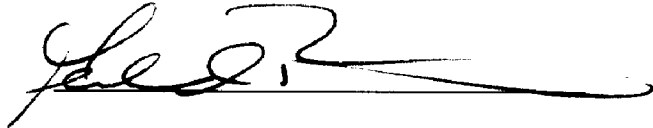
RECORDABLE PATENT APPLICATION ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, International Business Machines Corporation, a New York corporation having a place of business at Armonk, New York, United States of America, (hereinafter "ASSIGNOR"), hereby grants and assigns to Mariana HDD B.V. (now known as Hitachi Global Storage Technologies Netherlands B.V.), a Netherlands corporation, having a place of business at Amsterdam, the Netherlands, (hereinafter "ASSIGNEE"), all right, title and interest in and to application No. 09/378,059 for United States Letters Patent, (hereinafter "ASSIGNED PATENT"), as well as all rights of priority in foreign countries resulting from the filing of the application, to have and to hold the same, unto ASSIGNEE for its own use and enjoyment and for the use and enjoyment of its successors and assigns, for the full term or terms of all such rights.

ASSIGNOR hereby authorizes that all United States Letters Patent to be issued on or resulting from the aforementioned application for Letters Patent be issued to the ASSIGNEE.

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignee hereby acknowledges and agrees that Assignor reserves and retains, for the benefit of itself and its subsidiaries, successors or assigns and subsequent assigns, the royalty-free rights and licenses contained in a separate written agreement between the parties dated December 31, 2002, with respect to the ASSIGNED PATENT, and the ASSIGNED PATENT is subject to any rights, licenses or immunities granted under the ASSIGNED PATENT to third parties by Assignor prior to the date of assignment of the ASSIGNED PATENT from Assignor to Assignee.

IN WITNESS WHEREOF, ASSIGNOR has caused this Recordable Patent Application Assignment to be duly signed on its behalf.



Gerald Rosenthal
NAME (Type or Print)

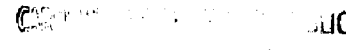
IBM Vice President
TITLE

June 30, 2003
DATE

State of New York)
) S.S.
County of Westchester)

Before me this 30th day of June, 2003, personally appeared Gerald Rosenthal, known to be the person who is described in and who signed the foregoing Assignment and acknowledged to me that he/she signed the same of his/her own free will for the purpose therein expressed.

[Handwritten Signature]
Notary Public


QUALIFIED IN WESTCHESTER COUNTY
EXPIRES FEBRUARY 28, 2006

Docket No. SJ0919990091US1