

12-16-1999

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RECORDATION

Atty. Docket: 35.013509

To the Commissioner of

101223588

attached original documents or copy thereof.

1. Name of conveying party(ies):

MAKOTO TAKAYAMA and YOSHINORI ABE

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

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

Name: CANON KABUSHIKI KAISHA

Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku

Tokyo, Japan

Domestic Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

Execution Date: June 10, 1999

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 Number (09/309,493)  
Filing Date: May 11, 1999

B. Title of Invention:

DATA STORAGE CONTROL APPARATUS AND DATA  
STORAGE CONTROL METHOD

Additional numbers attached?

☐ Yes☒ No

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

Name: Fitzpatrick, Cella, Harper &amp; Scinto

30 Rockefeller Plaza

New York, New York 10112-3801

Telephone No.: (212) 218-2100

Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:

One

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

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)

06-1205

(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 the attached is the original document or is a true copy of the original document.*

Leonard P. Diana (Reg. No. 29,296)

Name of Person Signing

12/15/1999 DMGUYEN 00000221 09309493

Signature

November 30, 1999

Date

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

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PATENT  
REEL: 010434 FRAME: 0981

JOINT

(AFTER APPLICATION FILED)

**ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES**FOR VALUE RECEIVED, WE, **MAKOTO TAKAYAMA and YOSHINORI ABE**citizens of **Japan**  
residing respectively at**8-23, Shimoda-cho 6-chome, Kohoku-ku, Yokohama-shi, Kanagawa-ken,**  
**Japan and 1-3-505, Ochiai 5-chome, Tama-shi, Tokyo, Japan**hereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA**  
a corporation of Japan  
having a place of business at **30-2, Shinomaruko 3-chome, Ohta-ku, Tokyo, Japan**  
its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for  
the United States, in and to certain inventions relating to**DATA STORAGE CONTROL APPARATUS AND DATA STORAGE CONTROL METHOD**and described in an application for Letters Patent of the United States filed by us on **May 11, 1999**  
and which has been accorded Application No. **09/309,493**  
and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United  
States which may be granted, thereon, and all reissues and extensions thereof; and we hereby authorize and request the  
Commissioner for Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the  
Assignee or to such nominees as it may designate.AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for  
patent or other form of protection for said inventions, the benefit of the right of priority provided by the International  
Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be  
substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.AND we hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any  
assignment, consent to file or like document which may be required in the United States for any purpose and more  
particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority  
provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention  
which may henceforth be substituted for it.AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned  
and that we have not executed and will not execute any agreement in conflict herewith.AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to  
us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional,  
continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts  
necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection  
for said inventions in the United States.By: Makoto Takayama  
**MAKOTO TAKAYAMA**Date: Jun 10, 1999By: Yoshinori Abe  
**YOSHINORI ABE**Date: Jun 15, 1999

By: \_\_\_\_\_

Date: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_