

09-29-1998



100841399

RECEIVED

P/1929-24

1998 SEP 24 PM 12:00  
OPR/FINANCE

## PATENTS RECORDATION COVER SHEET

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

1. Name of conveying party(ies):

Hiro Karube

Individual

Additional names(s) of conveying party(ies) attached? No

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

NEC Corporation  
7-1, Shiba 5-chome,  
Minato-ku, Tokyo, Japan

A Corporation of Japan

Additional name(s) &amp; address(es) attached? No

3. Nature of conveyance:

Assignment

Execution Date: 5/23/97

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. Application No.(s)

08/865,596

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom  
correspondence concerning document should  
be mailed:OSTROLENK, FABER, GERB & SOFFEN, LLP  
1180 Avenue of the Americas  
New York, New York 10036-8403

6. Total number of documents involved: 1

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

Enclosed as part of Check No.

In the event the actual fee is greater than the payment submitted or is inadvertently not enclosed or if any additional fee due is not paid, the Patent and Trademark Office is authorized to charge the underpayment to Deposit Account No. 15-0700.

DO NOT USE THIS SPACE

8. 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.

Steven I. Weisburd

Name of Person Signing

Signature

September 22, 1998

Date

Total number of pages including cover sheet, attachments, and document: 3

09/28/1998 TTON11 00000269 08865596

01 FC:581

40.00 DP

PATENT  
REEL: 9473 FRAME: 0495

PATENT APPLICATION ASSIGNMENT -  
SOLE OR JOINT INVENTORS  
EXECUTED OUTSIDE U.S.A.

OFFICE FILE NO. P/1929-24

WHEREAS I (~~We~~), HIRO KARUBE

as assignor(s), have invented certain improvements in  
MAGNETIC DISK APPARATUS

for which an application for United States Letters Patent has been executed by me (us) of even date herewith; and

WHEREAS, NEC Corporation

7-1, Shiba 5-chome, Minato-ku,

Tokyo, Japan

as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (We), as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: May 23, 1997

Hiro Karube   
HIRO KARUBE

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

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

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

LEGALIZATION RECOMMENDED

FORM MASTERS/VASGNFOR

Witness:

Masazumi Takouchi Attest

PATENT  
REEL: 9473 FRAME: 0496



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 02, 1997

PTAS

OSTROLENK, FABER, GERB ET AL.  
STEVEN I. WEISBURD  
1180 AVENUE OF THE AMERICAS  
NEW YORK, NY 10036-8403



\*100530929A\*

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/29/1997

REEL/FRAME: 8682/0769

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

**ASSIGNOR:**

KARBUE, HIRO

DOC DATE: 05/23/1997

**ASSIGNEE:**

NEC CORPORATION  
7-1, SHIBA 5-CHOME  
MINATO-KU, TOKYO, JAPAN

SERIAL NUMBER: 08865596

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

KEITH GOODE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RECORDED: 09/24/1998

**PATENT**  
REEL: 9473 FRAME: 0497