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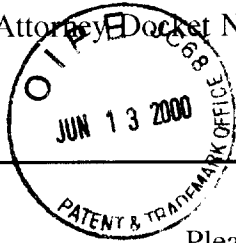


OFFICE

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Attorney Docket No.

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Director of Patents and Trademarks  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

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

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

Name: SHIMADZU CORPORATION

Street Address: 1, Nishinokyo-Kuwabaracho  
Nakagyo-ku, Kyoto-shi  
Kyoto 604 JAPAN

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

3. Nature of conveyance: Assignment

Execution Date: June 7, 2000

4. Title: MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-RESISTANCE  
EFFECT TYPE HEAD, MEMORY ELEMENT, AND METHOD FOR  
MANUFACTURING THEM

5. 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)

B. Patent No.(s)

08/983,514

Additional numbers attached? Yes  No

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

Name: ARMSTRONG, WESTERMAN, HATTORI,  
MCLELAND & NAUGHTON  
1725 K Street, N.W., Suite 1000  
Washington, D.C. 20006

7. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to Deposit Account

9. Deposit Account No.: **01-2340**  
(Two copies of this paper are attached.)

10. 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.

William L. Brooks  
Name of Person Signing

*William L. Brooks*  
Signature

June 13, 2000  
Date

34,129  
Registration No.

Total number of pages including cover sheet, attachments and document: 4

Rev. 2/97

## U.S. ASSIGNMENT

WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation duly organized under the laws of Japan, having an office and place of business at 1006, Oaza-Kadoma, Kadoma-shi, Osaka, Japan, and SHIMADZU CORPORATION, a corporation duly organized under the laws of Japan, having an office and place of business at 1, Nishinokyo-Kuwabaracho, Nakagyo-ku, Kyoto-shi, Kyoto 604, Japan, jointly own the entire right, title and interest in the invention described and claimed in United States Patent Application Serial No. 08/983,514, and all Letters Patent of the United States to be obtained therefor on said application or from any continuation, divisional, renewal, substitute or reissue or reexamination thereof for the full term or terms for which the same may be granted, by virtue of a deed of assignment recorded in the U.S. Patent and Trademark Office at Reel 9091, Frame 0470;

WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., hereinafter ASSIGNOR in this Assignment, wishes to assign and transfer its entire undivided joint interest in said invention and said United States Patent Application Serial 08/983,514 to SHIMADZU CORPORATION, hereinafter ASSIGNEE in this Assignment, and said ASSIGNEE wishes to acquire ASSIGNOR's entire undivided joint interest in said invention and said United States Patent Application Serial No. 08/983,514;


NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE its entire undivided joint interest in said invention and said United States Patent Application Serial No. 08/983,514, and all Letters Patent of the United States to be obtained therefor on said application or from any continuation, divisional, renewal,

substitute or reissue or reexamination thereof for the full term or terms for which the same may be granted.

IN WITNESS WHEREOF, have hereunto set hand and seal  
this 7th day of June, 2000.

Assignor: **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.**

By:



Name:

Osamu YAMAZAKI

Title:

Director, Intellectual Property Center