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To the Honorable Commissioner of Patents at

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original documents or copy thereof.

1. Name of conveying party(ies):

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

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

3. Nature of Conveyance:

- Assignment
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Execution Date: September 1, 1998

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: September 1, 1998

A. Patent Application No.(s) 09-179670

B. Patent No.(s)

Additional numbers attached? Yes No

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

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
Attorneys at Law
Fourth Floor
1755 Jefferson Davis Highway
Arlington, Virginia 22202

6. Total applications and patents involved: 1

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

Frederick D. Vastine, Ph.D.

Name of Person Signing

Registration Number: 27,013

Joseph A. Scafetta Jr.
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Joseph A. Scafetta, Jr.
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Apr. 18, 2000
Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) MAKOTO SATO ET AL
 SERIAL NO: New Application
 FILING DATE: Herewith
 FOR: MAGNETIC RECORDING MEDIUM

7c540 U.S. PTO
 09/17/9670
 10/27/98

FEE TRANSMITTAL

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TOTAL CLAIMS	6 - 20 =	0	× \$22 =	\$0.00
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Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
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Date: September 1, 1998

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(Signature of Inventor) (Makoto Sato)

Date: September 1, 1998

Hideyuki Kobayashi
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Date: September 1, 1998

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(Signature of Inventor) (Kazutaka Yamashita)

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