

12/20/01



To the Honorable Commissioner of Pa

101933634

original documents or copy thereof.

JCS64 U.S. PTO  
10/027651  
12/20/01

1. Name of conveying party(ies):

Shin Eguchi  
Chikayoshi Kamata  
Junya Ikeda  
Atsushi Tanaka

2. Name and address of receiving party(ies)

Name: **Fujitsu Limited**  
Internal Address:  
Street Address: **1-1, Kamikodanaka 4-chome,  
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan**

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

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

Additional name(s) & address(es) attached: ( ) Yes (X) No

3. Nature of conveyance:

- (X) Assignment ( ) Merger
- ( ) Security Agreement ( ) Change of Name
- ( ) Other \_\_\_\_\_

Execution Date: December 12, 2001

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: December 12, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ( ) Yes (X) No

10/027651

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

Name: **Patrick G. Burns  
Greer, Burns & Crain, Ltd.**  
Internal Address: **300 South Wacker Drive  
25th Floor  
Chicago, Illinois 60606**

Street Address: \_\_\_\_\_

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

Additional name(s) & address(es) attached: ( ) Yes (X) No

01/03/2002 TDIAZ1 00000078 10027651  
01 FC:581 40.00 DP

6. Total number of applications and patents involved: **1**

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

(X) Enclosed

(X) Authorized to be charged to deposit account only in the event proper payment is not enclosed.

8. Deposit account number:

07-2069

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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.

December 20, 2001

Date

Patrick G. Burns  
Name of Person Signing

Signature

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

2500.66065

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

PATENT  
REEL: 012408 FRAME: 0786

## ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

Name: Shin Eguchi, Chikayoshi Kamata, Junya Ikeda, and  
Address: Atsushi Tanaka, all of,  
c/o Fujitsu Limited  
1-1, Kamikodanaka 4-chome, Nakahara-ku,  
Kawasaki-shi, Kanagawa 211-8588 Japan

hereby assigns, transfers and sets over to:

Name: Fujitsu Limited  
Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku,  
Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as: Current-perpendicular-to-the-plane Structure  
Magnetoresistive Element And Method Of Making  
Same

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

- (a) executed on \_\_\_\_\_; or  
(b) filed on \_\_\_\_\_,  
Serial No. \_\_\_\_/\_\_\_\_\_;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Date 12/12/01 Signature of inventor Shin Eguchi

Date 12/12/01 Signature of inventor Chikazaki Kenzo

Date 12/12/01 Signature of inventor Robert

Date 12/12/01 Signature of inventor Atsushi Tanaka

Date \_\_\_\_\_ Signature of inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of inventor \_\_\_\_\_