

03-25-1998



To the Honorable Commissioner of Patents ar.

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ginal documents or copy thereof.

1. Name of conveying party(ies):
Yuzo KAMIGUCHI and Masashi SAHASHI

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

3. Nature of Conveyance: **MRD 3-16-98**

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: October 20, 1997

2. Name and address of receiving party(ies):
Name: KABUSHIKI KAISHA TOSHIBA
MAR 16 1998
Address:
72 Horikawa-cho,
Saiwai-ku, Kawasaki-shi, Japan

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

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 No.(s)
08/931,419

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 number of applications and patents involved: One

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

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A S S I G N M E N T

In consideration of value received, I, having a post office address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

MAGNETORESISTIVE ELEMENT

said application having been filed on September 16, 1997
and assigned Serial No. 08/931,419 ;
sell and assign to
KABUSHIKI KAISHA TOSHIBA
a corporation of Japan, having a business address at
72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

executed concurrently herewith;

executed separately herefrom:

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

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Oblon, Spivak, McClelland, Maier & Neustadt, P. C., Fourth Floor, 1755
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ASSIGNMENT

97S0644

Inventor: (Signature)

Date

Residence

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OCT 20, 1997

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