

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hiroyuki UWAZUMI</td> <td>12/20/2002</td> </tr> <tr> <td>Yasushi SAKAI</td> <td>12/24/2002</td> </tr> <tr> <td>Tadaaki OIKAWA</td> <td>12/27/2002</td> </tr> <tr> <td>Miyabi NAKAMURA</td> <td>01/08/2003</td> </tr> </tbody> </table>	Name	Execution Date	Hiroyuki UWAZUMI	12/20/2002	Yasushi SAKAI	12/24/2002	Tadaaki OIKAWA	12/27/2002	Miyabi NAKAMURA	01/08/2003	
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RECEIVING PARTY DATA											
Name:	FUJI ELECTRIC CO., LTD.										
Street Address:	1-1 Tanabeshinden, Kawasaki-ku										
City:	Kawasaki-shi										
State/Country:	JAPAN										
Postal Code:	210-0856										
PROPERTY NUMBERS Total: 1											
Property Type	Number										
Application Number:	12245317										
CORRESPONDENCE DATA											
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Email:	mail@rkmlp.com										
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Correspondent Name:	Rossi, Kimms & McDowell LLP										
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ATTORNEY DOCKET NUMBER:	FUJI-0239B										
NAME OF SUBMITTER:	Valerie L. Watkins										
Total Attachments: 1 source=FUJI-0239B_Signed_Assignment#page1.tif											

OP \$40.00 12245317

\*\*\* ASSIGNMENT \*\*\*

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to:

Name: FUJI ELECTRIC CO., LTD.

Address: 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki 210-0856, JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as:

Title: PERPENDICULAR MAGNETIC RECORDING MEDIUM AND METHOD  
OF MANUFACTURING THE SAME AND PRODUCT THEREOF

identified by the Assignee as 01 P 01593 US and ATTORNEY DOCKET NUMBER FUJI:239, for which the undersigned has (have) executed and filed an application for patent in the United States of America on the date 12/9/02 and now designated as U.S. Patent Application Serial No. 10/314,907.

The undersigned hereby agree(s) to: (1) execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient; (2) execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; (3) execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention of Protection of Industrial Property or similar agreements; and (4) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said applications or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned have full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed and will not execute any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of ROSSI & ASSOCIATES the power to insert on this assignment any further identification, including but not limited to the ATTORNEY DOCKET NUMBER, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the signature(s) of the undersigned:

	Print Name	Date	Signature
(1)	HIROYUKI UWAZUMI	December 20, 2002 Month/Day/Year	Hiroyuki Uwazumi
(2)	YASUSHI SAKAI	December 24, 2002 Month/Day/Year	Yasushi Sakai
(3)	TAIDAAKI OIKAWA	December 27, 2002 Month/Day/Year	Tadaaki Oikawa
(4)	MITSUBI NAKAMURA	December 28, 2002 Month/Day/Year	Mitsubi Nakamura

This assignment should preferably be signed before a Notary Public if within the United States of America, a U.S. Consul if outside the United States of America, or before at least two witnesses. Witnessed by

(1)	_____	Month/Day/Year	_____
(2)	_____	Month/Day/Year	_____

RECORDED: 04/18/2003

PATENT  
REEL: 013990 FRAME: 0028

RECORDED: 06/25/2012

PATENT  
REEL: 028433 FRAME: 0527