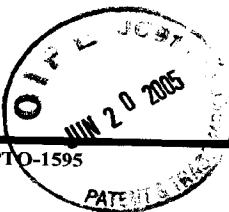


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2. Name and address of receiving party(ies): PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

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

3. Nature of conveyance:  Assignment  Merger  Security Agreement  Change of Name  Other

Execution Date: March 30, 2005, April 4, 2005, April 4, 2005, March 31, 2005, March 31, 2005 and April 10, 2005

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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) 11/087,721

B. Patent No.(s) Unknown

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE MION, PLLC WASHINGTON OFFICE 23373 CUSTOMER NUMBER

6. Total number of applications and patents involved: 1

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# ASSIGNMENT

Whereas, I/we Hitoshi YAMAZAKI, Takeshi NISHIMURA, Akira YASAKI, Hideki KINOSHITA, Shigeru KOJIMA and Jun TOGASHI

all of Saitama, Japan

hereinafter called assignor(s), have invented certain improvements in  
STEPPING MOTOR DRIVING SYSTEM, INFORMATION RECORDING AND REPRODUCING DEVICE,  
AND STEPPING MOTOR DRIVING METHOD

and executed an application for Letters Patent of the United States of America therefor on

March 30, 2005, March 31, 2005 ; and  
April 4, 2005 and April 10, 2005

Whereas, PIONEER CORPORATION of  
4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director - U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: MAR 30, 2005 s/ HITOSHI YAMAZAKI

Date: APR 4, 2005 s/ TAKESHI NISHIMURA

Date: Apr. 4 2005 s/ Akira Yasaki

Date: Mar. 31, 2005 s/ Hideki Kinoshita

Date: Mar. 31, 2005 s/ Shigeru Kojima

Date: Apr. 10. 2005 s/ Jun Togashi

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)