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Takahiro TOGASHI	No. 4-1 Meguro 1-chome, Megru-ku, Tokyo-to, Japan				
Yoichi OKUMURA	Q L				
1-31-02	20 Eq.				
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Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No					
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Execution Date: January 24, 2002	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: January 24, 2002					
A. Patent Application No.(s)	B. Patent No.(s)				
10,059129					
Additional numbers	attached? ☐ Yes ☑ No				
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:				
concerning document should be mailed:	1				
SUGHRUE MION, PLLC	7. Total fee (37 CFR 3.41): \$40.00				
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PATENT REEL: 12548 FRAME: 0594

Assignment

of Whereas, I/We, Masataka YAMAGUCHI, Takahiro TOGASHI and Yoichi OKUMURA Tsurugashima-shi, Saitama-ken, Japan

hereinafter called assignor(s), have invented certain improvements in

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

PIONEER CORPORATION of No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan Whereas

(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 Commissioner of Patents 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.

2100 Pennsylvania Avenue, i	filed	0037-3202 to insert here in parentheses (Application the filing date and application)
number of said application	when known.	
Date: January 24, 2002	si_ Masata-ka	Jama zuchi
Date: January 24, 2002	st Inhahira	Jogathi
OCHELLY 217 TOOM	siyoichi (rkumura
Date: January 24, 2002	s/	
Date:	s/	
Date:	s/	a facie evidence of execution under 35 U.S.C. §26

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