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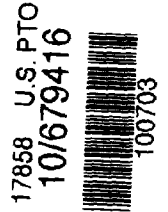
To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Masahiro KATSUMURA
Yoshiaki KOJIMA
Yasumitsu WADA
Hiroaki KITAHARA
10-7-03

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

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

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



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
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Execution Date: September 25, 2003

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: September 25, 2003

A. Patent Application No.(s)
Unknown

B. Patent No.(s)
Not yet assigned

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

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

Whereas, I/we Masahiro KATSUMURA, Yoshiaki KOJIMA, Yasumitsu WADA
And Hiroaki KITAHARA all of Saitama, Japan

hereinafter called assignor(s), have invented certain improvements in
BEAM ADJUSTING SAMPLE, BEAM ADJUSTING METHOD
AND BEAM ADJUSTING DEVICE
and executed an application for Letters Patent of the United States of America therefor on
September 25, 2003; and

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: September 25, 2003 s/ Masahiro Katsumura

Date: September 25, 2003 s/ Yoshiaki Kojima

Date: September 25, 2003 s/ Yasumitsu Wada

Date: September 25, 2003 s/ Hiroaki Kitahara

Date: s/ _____

Date: s/ _____

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