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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):

Kazunori OCHIAI  
Tetsuro NAGAKUBO

S. 3. 04

## 2. Name and address of receiving party(ies):

PIONEER CORPORATION  
No. 4-1 Meguro 1-chome, Meguro-ku  
Tokyo-to, JapanAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: December 8, 2003

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)  
10/725,347B. Patent No.(s)  
Not yet assignedAdditional 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

- ☒ Enclosed.  
☐ Authorized to be charged to Deposit Account No. 19-4880.

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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

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# Assignment

Whereas, I/We, Kazunori OCHIAI and Tetsuro NAGAKUBO of  
Nakakoma-gun, Yamanashi-ken, Japan

hereinafter called assignor(s), have invented certain improvements in  
IMAGE SIGNAL PROCESSING APPARATUS AND METHOD

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

Whereas, PIONEER CORPORATION of No.4-1  
Meguro 1-chome, Meguro-ku  
Tokyo-to, 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 10/728,347 and Confirmation number 1327, filed 12-02-2003) the filing date and application number of said application when known.

Date: 12.8.2003 KAZUNORI OCHIAI  
s/  
Date: Dec 8, 2003 Tetsuro Nagakubo  
s/  
Date: \_\_\_\_\_  
s/  
Date: \_\_\_\_\_  
s/  
Date: \_\_\_\_\_  
s/