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To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Makoto Ogawa  
Kiyoto Ito  
Tadashi Shibata

S. 17.04

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

2. Name and address of receiving party(ies)

Name: ROHM CO., LTD.

Internal Address:

Street Address: 21 Saiin Mizosaki-cho

Ukyo-ku, Kyoto 615-8585, Japan

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: February 6, 2004

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)

10/772,349

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: John C. Altmiller

Internal Address:

Street Address: Kenyon & Kenyon

1500 K Street, N.W., Suite 700

City: Washington, D.C. State: \_\_\_\_\_ Zip: 20005

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

8. Deposit account number:

11-0600

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

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.

John C. Altmiller

Name of Person Signing

Signature

May 17, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:

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PATENT  
REEL: 015336 FRAME: 0501

**ASSIGNMENT**

WHEREAS, we,

**Name:** Makoto OGAWA  
**Address:** 11-11-301,  
Nezu 2-chome, Bunkyo-ku,  
Tokyo 113-0031 Japan  
**Citizenship:** Japan

**Name:** Kiyoto ITO  
**Address:** Room 302, Selfeel Nishihara,  
8-18, Nishihara 3-chome,  
Kashiwa-shi, Chiba 277-0885 Japan  
**Citizenship:** Japan

**Name:** Tadashi SHIBATA  
**Address:** 16-411,  
1-3 Echujima, Koto-ku,  
Tokyo 135-0044 Japan  
**Citizenship:** Japan

have made inventions and discoveries in IMAGE PROCESSING DEVICE AND  
IMAGE PROCESSING METHOD,  
for which an application for Letters Patent is filed Herewith; and

WHEREAS Makoto OGAWA, 11-11-301, Nezu 2-chome,

Bunkyo-ku, Tokyo 113-0031 Japan,

Kiyoto ITO, Room 302, Selfeel Nishihara,  
8-18, Nishihara 3-chome, Kashiwa-shi, Chiba 277-0885 Japan,

Tadashi SHIBATA, 16-411, 1-3 Echujima,  
Koto-ku, Tokyo 135-0044 Japan, and

ROHM CO., LTD., having a place of business at

21 Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585 Japan and who, together with its successors and assigns, are hereinafter called "Assignees," are desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignees to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignees the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignees to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignees or otherwise as Assignees may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignees, as assignees of the entire right, title, and interest therein or otherwise as Assignees may direct.

4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignees without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignees' request and at Assignees' expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignees; to communicate to Assignees all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignees with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals this 6th  
day of February, 2004.

Makoto Ogawa

(Name) Makoto OGAWA

WITNESSED BY:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals this 6th  
day of February, 2004.

Kiyoto Ito

(Name) Kiyoto ITO

WITNESSED BY:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals this 6th day of  
February, 2004.

Tadashi Shibata  
(Name) Tadashi SHIBATA

WITNESSED BY:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address