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FORM PTO-1595

(Rev. 6-93)

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OMB No. 0651-0011 (exp. 4/94)

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**PATENTS ONLY**To the Assistant Commissioner for Patents:  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Komatsu Electronic Metals Co., Ltd.

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

3. Nature of conveyance:

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

Execution Date: November 13, 2000

2. Name and address of receiving party(ies)

Name: Research Development Corporation of Japan

Internal Address: \_\_\_\_\_

Street Address: 1-8, Hon-cho 4-chome, Kawaguchi-shiCity: Saitama-ken 332 JAPAN

State: \_\_\_\_\_ ZIP: \_\_\_\_\_

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

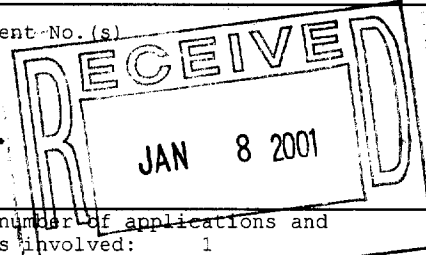
4. Application number(s) or patent number(s):

If this document is being filed together with a new application,  
the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

5,704,974

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Russell D. OrkinInternal Address: Webb Ziesenheim LogsdonOrkin & Hanson, P.C.Street Address: 700 Koppers Building436 Seventh AvenueCity: Pittsburgh State: PA ZIP: 15219-18186. Total number of applications and  
patents involved: 17. Total fee (37 CFR 3.41) ..... \$ 80.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach triplicate 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.
Russell D. Orkin, Reg. No. 25,363  
 Name of Person Signing

  
 Signature

January 4, 2001  
 Date
Total number of pages including cover sheet, attachments and document 4
 Mail documents to be recorded with required cover sheet information to:  
 Assistant Commissioner for Patents, U.S. Patent and Trademark Office  
 Office of Public Records, Crystal Gateway 4, Room 335  
 Washington, D.C. 20231

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**PATENT**  
**REEL: 011442 FRAME: 0149**

1. Name and address of conveying party(ies) (cont'd)

Name: Sumitomo Metal Industries, Ltd.

ASSIGNMENT DEED

WHEREAS, Komatsu Electronic Metals Co., Ltd., a corporation of Japan, having a place of business at 2612 Shinomiya, Hiratsuka-shi, Kanagawa-ken 254, Japan (hereinafter referred to as ASSIGNOR), is the owner of a partial right, title and interest in U.S. Patent No. 5704974 (hereinafter "PATENT").

WHEREAS, Research Development Corporation of Japan, a corporation of Japan, having a place of business at 1-8, Hon-cho 4-chome, Kawaguchi-shi, Saitama-ken, 332 Japan (hereinafter referred to as ASSIGNEE) is desirous of acquiring the interest owned by ASSIGNOR in and to the PATENT;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNOR does hereby assign, sell, transfer and set over unto the ASSIGNEE ASSIGNOR's entire right, title, and interest in and to said PATENT.

Signed this 13th day of November, 2000.

KOMATSU ELECTRONIC METALS CO., LTD.

By: Kunio Ikeda

Typed Name: KUNIO IKEDA

Title: President

96-02US

PATENT  
REEL: 011442 FRAME: 0151

ASSIGNMENT DEED

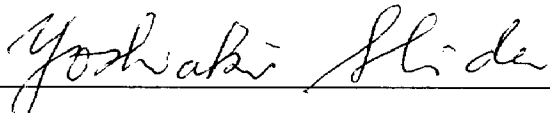
WHEREAS, Sumitomo Metal Industries, Ltd., a corporation of Japan, having a place of business at 5-33 Kitahama 4-chome, Chuo-ku, Osaka 541-0041, Japan (hereinafter referred to as ASSIGNOR), is the owner of a partial right, title and interest in U.S. Patent No. 5704974 ( hereinafter "PATENT").

WHEREAS, Research Development Corporation of Japan, a corporation of Japan, having a place of business at 1-8, Hon-cho 4-chome, Kawaguchi-shi, Saitama-ken, 332 Japan (hereinafter referred to ASSIGNEE) is desirous of acquiring the interest owned by ASSIGNOR in and to the PATENT;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNOR does hereby assign, sell, transfer and set over unto the ASSIGNEE ASSIGNOR's entire right, title, and interest in and to said PATENT.

Signed this 13th day of November, 2000.

Sumitomo Metal Industries, Ltd. .

By:   
Typed Name: Yoshiaki Shida

Title: General Manager of Engineering Planning Department

96-02US