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PTO
U.S. 6721

TO THE ASSISTANT COMMISSIONER

101887114

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- 1) Kenya Kawabata
- 2) Mikio Kuwahara
- 3) Izumi Nakajima
- 4) Takeshi Hyotani
- 5) Takashi Mori
- 6) Hajime Noda
- 7) Takayuki Hikotani

10/17/01

2. Name and address of receiving party(ies):
Name: The Furukawa Electric Co., Ltd.
Street Address: 6-1 Marunouchi 2-chome, Chiyoda-ku
City: Tokyo 100822 Country: Japan

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

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

3. Nature of conveyance:

- (X) Assignment
- () Merger
- () Security Agreement
- () Change of Name
- () Other:

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

- (X) Application(s) filed herewith
Declaration Execution Date(s):
- 1) September 17, 2001
- 2) October 4, 2001
- 3) October 4, 2001
- 4) October 4, 2001
- 5) September 17, 2001
- 6) September 17, 2001
- 7) September 14, 2001

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

- 1) September 17, 2001
- 2) October 4, 2001
- 3) October 4, 2001
- 4) October 4, 2001
- 5) September 17, 2001
- 6) September 17, 2001
- 7) September 14, 2001

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Additional numbers attached? () Yes (X) No

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

Name: Mark M. Abumeri
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: KAWAW16.001AUS

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Mark M. Abumeri
Name of Person Signing

Signature

Date October 17, 2001

43,458
Registration No.

Total number of pages including cover sheet, attachments and document: 4

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

U.S. Patent and Trademark Office
Attn: Assignment Division
Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202

10/25/2001 DBYRNE 00000034 09981778

01 FC:581

40.00 UP

ASSIGNMENT

WHEREAS, I/WE (1) Kenya KAWABATA,

a Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100-8322 Japan

(2) Mikio KUWAHARA,

a Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100-8322 Japan

(3) Izumi NAKAJIMA,

a Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100-8322 Japan

(4) Takeshi HYOTANI,

a Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100-8322 Japan

(5) Takashi MORI,

a Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100-8322 Japan

(6) Hajime NODA,

a Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100-8322 Japan

(7) Takayuki HIKOTANI,

a Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100-8322 Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain
new and useful improvements in Heat sink, method for manufacturing same, and pressing jig

the specification of which:

- (a) is attached hereto; or
- (b) was filed on _____ as Application No. _____ or Express Mail No., as Application No. not yet known _____ and was amended on _____ (if applicable); or
- (c) was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS, The Furukawa Electric Co., Ltd., with its principal place of business at 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 Japan, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 17 day of September, 2001 K. Kawabata
Signature of Kenya KAWABATA

This 4 day of October, 2001 M. Kuwahara
Signature of Mikio KUWAHARA

This 4 day of October, 2001 I. Nakajima
Signature of Izumi NAKAJIMA

This 4 day of 10, 2001

Takeshi Hyotani
Signature of Takeshi HYOTANI

This 17 day of 9, 2001

Takashi Mori
Signature of Takashi MORI

This 17 day of September, 2001

Hajime Noda
Signature of Hajime NODA

This 14 day of 9, 2001

T. Hikutani
Signature of Takayuki HIKOTANI