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FORM PTO-1595 (modified)



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U.S. DEPARTMENT OF COMMERCE
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To the Assistant Commissioner f.

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.ginal document(s) or copy(ies) thereof.

1. Name of conveying party(ies):

Yukitoshi KUBOTA
Hidetoshi WADA
Yoshiyuki NOBUOKAAdditional name(s) of conveying party(ies) attached? No

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

Name: SHINAGAWA REFRACTORIES CO., LTD.Street Address: 2-1, Ohtemachi 2-chome,
Chiyoda-ku, Tokyo 100-0004 JAPANAdditional name(s) & address(es) attached? No

3. Nature of conveyance:

☒ Assignment Merger
Security Agreement Change of Name
Other
Execution Date: March 10, 1998

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)

09/083,997

B. Patent No.(s)

Additional numbers attached? No

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

Name: WENDEROTH, LIND & PONACK, L.L.P.Internal Address: Michael R. Davis, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 200066. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41). \$ 40.00☒ Enclosed [Check No. 32584]
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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.*Michael R. Davis, Reg. No. 25,134

Name of Person Signing

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March 17, 1999

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, _____
Yukitoshi KUBOTA, Hidetoshi WADA and Yoshiyuki NOBUOKA

hereby sells, assigns and transfers to
SHINAGAWA REFRACTORIES CO., LTD.
of 2-1, Ohtemachi 2-chome, Chiyoda-ku, TOKYO 100-0004 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled
TAPHOLE MIX FOR MOLTEN METAL TAPHOLE

which was executed by the undersigned on the dates indicated below
 or was filed on May 26, 1998 and accorded Serial No.
09/083,997 (hereinafter called the Application);

- (ii) any and all inventions and improvements which are described in the Application ;
 (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent) ;
 (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
 (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

INVENTOR(S) :

(Yukitoshi KUBOTA)

Yukitoshi Kubota

(Hidetoshi WADA)

Hidetoshi Wada

(Yoshiyuki NOBUOKA)

Yoshiyuki Nobuoka

DATE

March 10, 1998

March 10, 1998

March 10, 1998