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To the Assistant Commissioner for .

100847055

09/101555

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

1. Name of conveying party(ies):

Osamu NOMURA;
Ryosuke NAKAMURA; and
Wei LINAdditional 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 JapanAdditional name(s) & address(es) attached? No

3. Nature of conveyance:

☒ Assignment
Security Agreement
OtherMerger
Change of NameExecution Date: May 25, 19984. Application number(s) or patent number(s): 09/101555If this document is being filed together with a new application, the execution date of the application is: May 25, 1998

A. Patent Application No.(s)

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: Attn: Mr. Jeffrey NoltonStreet Address: 2033 K Street, N.W., Suite 800City: Washington, D.C. ZIP: 200066. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41). \$ 40.00☒ Enclosed [Check No. 29180]☐ Authorized to be charged to deposit account8. Deposit account number: 23-0975

(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.*Jeffrey Nolton, Reg. No. 25,408

Name of Person Signing

Signature

July 13, 1998

Date

Total number of pages including cover sheet, attachments, and document: 2

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ACCOUNT NO. 23-0975.ATTACHMENT E
PATENT

REEL: 9485 FRAME: 0023

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, _____
Osamu NOMURA, Ryosuke NAKAMURA and Wei LIN

hereby sells, assigns and transfers to

SHINAGAWA REFRATCTORIES CO., LTD.
of 2-1, Ohtemachi 2-chome, Chiyoda-ku, TOKYO 100 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
Nozzle for Use in Continuous Casting of Steel

which was executed by the undersigned on _____
 or was filed on November 14, 1997 and accorded Serial No.
PCT/JP 97/04162 (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) :		DATE
(Osamu NOMURA)	<u>Osamu Nomura</u>	<u>May 25, 1998</u>
(Ryosuke NAKAMURA)	<u>Ryosuke Nakamura</u>	<u>May 25, 1998</u>
(Wei LIN)	<u>Wei Lin</u>	<u>May 25, 1998</u>
	_____	_____
	_____	_____
	_____	_____