



103288603

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

8.8.06

1. Name of conveying party(ies):

Yukinori IIZUKA
Jun KUBOTA
Koichi TSUTSUMI

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

JFE STEEL CORPORATION
2-3 Uchisaiwai-cho 2-chome
Chiyoda-ku, Tokyo, 100-0011 Japan

3. Nature of conveyance: - ASSIGNMENT

Execution Date(s): June 26, 2006, June 26, 2006, June 28, 2006

respectively.

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 as follows:

respectively.

A. Patent Application No. (s)

10/579,943

B. Patent No.(s)

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

FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C.
767 Third Avenue, 25th Floor
New York, New York 10017-2023

FINANCE SECTION

2006 AUG -8 AM 11: 25

OFFICE OF PATENT RECORDS

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[X] PTO Form 2038 (Payment by Credit Card)

[X] Charge Deposit Account No. 06-1378 for any fees not covered by Form PTO-2038

8. To the extent not tendered by check, authorization is given to charge the Assignment Fee (37 CFR.341) to Account No. 06-1378.

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.

Dated: August 4, 2006

By:

Herbert Goodman
Reg. No. 17,081

CERTIFICATE OF MAILING

I hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: MAIL STOP ASSIGNMENT RECORDATION SERVICES, Commissioner of Patents and Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450, on the date noted below.

Signature of Herbert Goodman

Dated: August 4, 2006

Attorney: Herbert Goodman
08/09/2006 10:01 AM 00000002 10579943

01 FC:8021

40.00 DP

5/95 Total number of pages including cover sheet, attachments and document: 3

ASSIGNMENT - PCT

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

**METHOD AND APPARATUS FOR DETECTING CRATER END OF CONTINUOUSLY CAST PRODUCT,
AND METHOD FOR PRODUCING CONTINUOUSLY CAST PRODUCT**

sell and assign to JFE STEEL CORPORATION

a corporation of Japan

having a business address at 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo, 100-0011 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent;

corresponding to international application number PCT/JP2004/017824 filed 24 November 2004;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant to any attorney member of the following law firm the power to insert on this Assignment the Serial number and filing date of said application when known.

SERIAL NO.: 10/579,943 FILING DATE: May 22, 2006

Frishauf, Holtz, Goodman & Chick, P.C., 220 Fifth Avenue - 16th Floor, New York, N.Y. 10001-7708.

INVENTOR:SIGNATURE	DATE	POST OFFICE ADDRESS
Sign: <i>Yukinori Iizuka</i>	Date: June 22, 2006	Address: c/o JFE R&D CORPORATION, 1-1, Minamiwataridacho, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-0855 Japan
Type: Yukinori IIZUKA	Witness:	
Sign: <i>Jun Kubota</i>	Date: June 26, 2006	Address: c/o Intellectual Property Dept. JFE Steel Corporation 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku Tokyo 100-0011 Japan
Type: Jun KUBOTA	Witness:	
Sign: <i>Koichi Tsutsumi</i>	Date: June 28, 2006	Address: c/o Intellectual Property Dept. JFE Steel Corporation 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku Tokyo 100-0011 Japan
Type: Koichi TSUTSUMI	Witness:	
Sign:	Date:	Address:
Type:	Witness:	
NOTES: MUST BE DATED. WITNESS DESIRABLE. LEGALIZATION NOT REQUIRED.		

RECORDING OFFICER:

After recording, please return to:
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RECORDED: 08/08/2006

PATENT
REEL: 018155 FRAME: 0524