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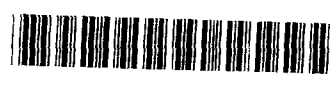
FORM PTO-1595 (modified)

04-21-2005

COVER SHEET
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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Assistant Secretary
thereof.



102985440

Trademarks: Please record the attached original documents.

1. Name of conveying party(ies):

Akihiko TANIGAKI; Takashi NISHIYAMA;
Kenta KARUBE; and Kazunari ANDACHI

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

Name and address of receiving party(ies):

Name: KYORITSU GOKIN CO., LTD.
12-16, Imazu Yamanaka-cho, Nishinomiya-shi,
Hyogo 663-8211 Japan

AND

Name: JFE Steel Corporation
2-2-3, Uchisaiwaicho, Chiyoda-ku,
Tokyo 100-0011 Japan

Additional name(s) & address(es) attached? No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: July 13 and July 20, 2004

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: July 13 and July 20, 2004

A. Patent Application No.(s)

B. Patent No.(s)
, issued

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.
Attn: Michael S. Huppert, Esq.

Street Address: 2033 K Street, N.W., Suite 800

City: Washington, State: DC ZIP: 20006-1021

6. Total number of applications and patents involved: 1

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

Enclosed (Check No. 63669)
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8. Deposit account number: 23-0975

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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 S. Huppert, Reg. No. 40,268
Name of Person Signing

August 24, 2004
Date

Total number of pages including cover sheet: 4

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ATTACHMENT "E"

PATENT
REEL: 016468 FRAME: 0908

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Akihiko TANIGAKI

Takashi NISHIYAMA

Insert Name(s)
of Inventor(s)

Kenta KARUBE

Kazunari ANDACHI

the undersigned hereby sell(s) and assign(s) to

Insert Name(s)
of Assignee(s)

KYORITSU GOKIN CO., LTD. and JFE Steel Corporation
12-16, Imazu Yamanaka-cho, Nishinomiya-shi, HYOGO 663-8211 JAPAN; and
of 2-2-3, Uchisaiwaicho, Chiyoda-ku, TOKYO 100-0011 JAPAN, respectively

Address

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

DESCALING NOZZLE

Title of
Invention

Date of Signing
of Application

for which an application for patent in the United States has been executed by the undersigned on

July 13, 2004; July 20, 2004

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date July 13, 2004, Name of Inventor Akihiko Tanigaki (Akihiko TANIGAKI)

Date July 13, 2004, Name of Inventor Takashi Nishiyama (Takashi NISHIYAMA)

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Manabu Miyamoto

Witness Junpei Kiyuchi

ACKNOWLEDGEMENT

_____ } ss

This _____ day of _____, 19_____, before me
personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. _____ Filing Date August 24, 2004
Applicant Reference Number FP-03021PC (US) Atty Docket No. 2004-1242A
Title of Invention DESCALING NOZZLE

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date July 20, 2004, Name of Inventor Kenta Karube (Kenta KARUBE)

Date July 20, 2004, Name of Inventor Kazunari Andachi (Kazunari ANDACHI)

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Satoshi Shibuya

Witness Naohiro Ashimoto

ACKNOWLEDGEMENT

_____ }
 _____ } ss

This _____ day of _____, 19_____, before me
 personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

_____ Official Signature
 _____ Official Title

SEAL

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U.S. Application Serial No. _____ Filing Date August 24, 2004

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Title of Invention DESCALING NOZZLE