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MAY 1999

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07-13-1999

EET



09/308870

To the Honorable Commissioner of documents or copy thereof.

101088569

record the attached original

1. Name of conveying party(ies):

Kanji Takeda
Yoshitaka Sawa
Tetsuya Yamamoto

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

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

Kawasaki Steel Corporation, a corporation of Japan,
1-28, Kitahonmachidori 1-chome
Chuo-ku, Kobe-shi, Hyogo 651-0075 Japan

Additional name(s) and address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: May 17, 1999

4. Application number(s) or patent number(s): 09/308870

If this document is being filed together with a new application, the execution date of the application is: May 17, 1999.

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

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

Austin R. Miller
Schnader Harrison Segal & Lewis
1600 Market Street, 36th Floor
Philadelphia, PA 19103

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit Account No. 13-3405
(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.

Austin R. Miller

Name of Person Signing

Austin R. Miller May 26, 1999

Signature

Date

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

ASSIGNMENT

WHEREAS, I or We, Kanji Takeda, Yoshitaka Sawa and Tetsuya Yamamoto,
all citizens of Japan

(hereinafter referred to as the "undersigned"), having made an invention entitled
METHOD OF OPERATING ROTARY HEARTH FURNACE FOR REDUCING OXIDES

for which on the date set forth below, unless otherwise indicated here, _____,
the undersigned executed an application for United States Letters Patent,

WHEREAS, Kawasaki Steel Corporation, a Japanese corporation, being located
at 1-28, Kitahonmachidori 1-chome, Chuo-ku, Kobe-shi, Hyogo 651-0075 Japan

(hereinafter referred to as the "assignee"), is desirous of acquiring the entire right, title
and interest in said invention, said application and all letters patent issuing for said
invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good
and valuable consideration, receipt of which is hereby acknowledged, the undersigned,
intending to be legally bound, does hereby sell, assign and transfer to the assignee the
entire right, title and interest, for the United States of America, its territories and
possessions, and for all foreign countries, in said invention, including said patent
application, all divisions and continuations thereof, all rights to claim priority based
thereon, all rights to file foreign applications on said invention, and all letters patent and
reissues thereof, issuing for said invention in the United States of America and in any and
all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the
assignee, or its successors or assigns or a legal representative thereof, to supply all
information and evidence of which the undersigned has knowledge or possession, relating
to the making and practice of said invention, to testify in any legal proceeding relating
thereto, to execute all instruments proper to patent the invention in the United States of
America and foreign countries in the name of the assignee, and to execute all instruments
proper to carry out the intent of this instrument. If the undersigned includes more than
one individual, these obligations shall apply to all of the undersigned both individually
and collectively.

The rights and property herein conveyed by the undersigned are free and clear of
any encumbrance.

EXECUTED under seal on May 17, 1999, at
Chiba, Japan

Witness

Kanji Takeda

Kanji Takeda

Yoshitaka Sawa

Yoshitaka Sawa

Tetsuya Yamamoto

Tetsuya Yamamoto

PATENT