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To: The Commissioner of Patent and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☐ New
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Document ID#
- ☒ Correction of PTO Error
Reel # 011898 Frame # 0315
- ☐ Corrective Document
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Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other

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- ☐ Department File ☐ Secret File

Conveying Party(ies)

- ☒ Mark if additional names of conveying parties attached

Name ISOYAMA, Shigeru

Second Party

Name HIRABAYASHI, Takeshi

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- ☐ Mark if additional names of receiving parties attached

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Area Code and Telephone Number 312.922.6262

Name Orum & Roth

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Address (line 2)

Address (line 3) Chicago, Illinois 60604

Application Number or Patent Number

Patent Application Number

Patent Number

US 6,184,508 (A Division of US Patent No. 5,951,903)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41)

\$

Method of Payment:

- ☐ Enclosed ☐ Deposit Account

Deposit Account Number

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4-2219

Authorization to charge additional fees:

- ☒ Yes ☐ No

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. Charges to deposit account are authorized, as indicated herein.

Catherine L. Gemrich

Catherine L. Gemrich

November 20, 2002

Name of Person Signing

Signature

Date

Attorney Docket Number: 5705
F166 (Orum & Roth)

Patent Numbers: US 6,184,508

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Twelfth Party:	AMANUMA, Shuji



06-21-2001



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- ☒ New **6140**
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- ☐ Department File ☐ Secret File

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Application Number or Patent Number

Patent Application Number

Patent Number

6,184,508 (A division of US Application No. 08/513,279)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41)

\$ 40.00

Method of Payment:

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Deposit Account Number

4-2219

Authorization to charge additional fees:

- ☒ Yes ☐ No

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. Charges to deposit account are authorized, as indicated herein.

Andrew D. Babcock

Name of Person Signing

Signature

June 11, 2001

Date

Attorney Docket Number: 5705
F166 (Orum & Roth)



In consideration of the sum of One Dollar (\$1.00) in hand paid, and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned

Inventor(s)

Full Name

Shigeru ISOYAMA, Takeshi HIRABAYASHI, Hideyuki NIKAIDO, Toshiaki AMAGASA, Nozomu TAMURA, Takahiro YAMASAKI, Masashi OSADA, Hirosuke YAMADA, Toshisada TAKECHI, Norio TAKASHIMA, Junzo NITTA, Shuji AMANUMA

hereby sell, assign and transfer to

Assignee

Name and

Address

KAWASAKI STEEL CORPORATION, STEEL DEVELOPMENT & PRODUCTION DIVISION, CHIBA WORKS, 1, Kawasaki-cho, Chuo-ku, Chiba-shi, CHIBA 260 JAPAN

(hereinafter called the Assignee) the entire right, title, and interest in and to any and all improvements which are disclosed in the Application for United States Letters Patent entitled

Title of

Invention

"METHOD AND APPARATUS JOINING METAL PIECES"

which application was

Complete

either

a) or b)

a) executed by the undersigned on the day of, 19

b) filed on the . 8th day of August, 19⁹⁵

Serial No . . . 08/513,789

including any and all United States Letters Patents which may be granted therefore and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents 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, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed at Tokyo, Japan

this . 14th day of December, 19 95

Inventor(s)

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