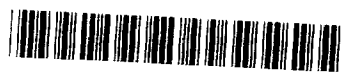


Form PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)

06-28-2002

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To the Honorable Commissioner of Patents original documents or copy thereof.

the attached

1. Name of conveying party(ies): Please see attachment A for conveying parties Additional name(s) of conveying party(ies) attached? X yes ___ no

2. Name and address of receiving party(ies) Name: Hitachi, Ltd. Address: 6, Kanda Surugadai 4-chome Chiyoda-ku, Tokyo, JAPAN Additional name(s) & address(es) attached? ___ yes X no

3. Nature of Conveyance: X Assignment ___ Merger ___ Security Agreement ___ Change of Name ___ Other: Execution Date: Please see attachment A

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: Please see attachment A A. Patent Application No.(s) 10/101,477 B. Patent No(s). Additional numbers attached? ___ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed: Crowell & Moring LLP Intellectual Property Group P.O. Box 14300 Washington, D.C. 20044-4300

6.Total number of applications and patents involved: 1 7. Total Fee (37 CFR 3.41): \$ 40.00 X Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 05-1323 ___ Authorized to be charged to Deposit Account 8. Deposit Account No. 05-1323 (Attach dupl. 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. Name: Donald D. Evenson, Reg. No. 21,260 Date: June 19, 2002 TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS, AND DOCUMENT: 5

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Attachment A

Conveying Party

Execution Date

- | | | |
|----|------------------|---------|
| 1. | Kenji Horii | 3/26/02 |
| 2. | Akira Gota | 4/1/02 |
| 3. | Hideo Kobayashi | 3/26/02 |
| 4. | Syunsaku Kasai | 4/6/02 |
| 5. | Yujiro Kobayashi | 4/6/02 |
| 6. | Takao Sakanaka | 4/1/02 |
| 7. | Motoyuki Fujii | 4/1/02 |

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

Hitachi, Ltd.
6, Kanda Surugadai 4-chome,
Chiyoda-ku, Tokyo 101-8010, Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

Multi-Row Rolling Mills, Methods Of Operating These Mills, And Rolling Equipment Using The Mills

as set forth in his United States Patent Application (check one):

executed concurrently herewith,
 executed on __,
 Serial No. __, filed __.

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States, which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith.

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith.

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

Each of the undersigned hereby grants the firm of **CROWELL & MORING, L.L.P.**, or any partner thereof, the power to insert into this Assignment any further identification, which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

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INVENTOR:

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Hitachi, Japan



(signature of 6th inventor)

INVENTOR:

Citizenship:

Post Office Address/

Residence:

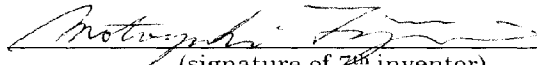
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(signature of 7th inventor)

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