
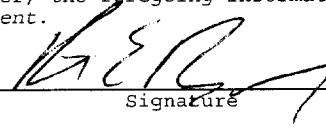


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FORM PTO-1595 (Rev. 6-93)		RECC	03-15-2001	EET	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
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1. Name of conveying party(ies): <u>Il Ock LEE, Hang Goo KIM,</u> <u>Uoo Chang JUNG and Nag Joon CHOI</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <u>POHANG IRON & STEEL CO., LTD.;</u> Internal Address: _____ Street Address: <u>1 Koedong-dong, Nam-ku, Pohang-si,</u> <u>Kyungsanbook-do 790-300, Republic of Korea;</u> City: _____ State: _____ ZIP: _____ Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>February 1, 2001</u>					
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: <u>February 1, 2001</u>					
A. Patent Application No. (s)			B. Patent No. (s) <u>09763299</u>		
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Kent E. Baldauf</u> Internal Address: <u>Webb Ziesenheim Logsdon</u> <u>Orkin & Hanson, P.C.</u> Street Address: <u>700 Koppers Building</u> <u>436 Seventh Avenue</u> City: <u>Pittsburgh</u> State: <u>PA</u> ZIP: <u>15219-1818</u>			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed with filing fee <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: (Attach triplicate copy of this page if paying by deposit account)		
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<u>Kent E. Baldauf, Jr.</u> Name of Person Signing Reg. No. 36,082		 Signature		<u>February 20, 2001</u> Date	
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PATENT
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2. RESEARCH INSTITUTE OF INDUSTRIAL
SCIENCE & TECHNOLOGY
San 32, Hyoja-dong, Nam-ku,
Pohang-si, Kyungsangbook-do 790-330,
Republic of Korea; and

VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH
Turmstrasse 44,
A-4031 Linz, Austria; respectively.

ASSIGNMENT

WHEREAS, We, Il Ock Lee, Hang Goo Kim, Uoo Chang Jung and Nag-Joon Choi, residing in Research Institute of Industrial Science & Technology, San 32, Hyoja-dong, Nam-ku, Pohang-si, Kyungsangbook-do 790-330, Republic of Korea; Research Institute of Industrial Science & Technology, San 32, Hyoja-dong, Nam-ku, Pohang-si, Kyungsangbook-do 790-330, Republic of Korea; Research Institute of Industrial Science & Technology, San 32, Hyoja-dong, Nam-ku, Pohang-si, Kyungsangbook-do 790-330, Republic of Korea; and Research Institute of Industrial Science & Technology, San 32, Hyoja-dong, Nam-ku, Pohang-si, Kyungsangbook-do 790-330, Republic of Korea; have invented certain new and useful improvements entitled 2-STAGE FLUIDIZED BED TYPE FINE IRON ORE REDUCING APPARATUS, AND REDUCING METHOD USING THE APPARATUS for which we have this day executed an application for United States Letters Patent;

AND, WHEREAS POHANG IRON & STEEL CO., LTD. and RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY, both corporations of the Republic of Korea, and VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH, a corporation of Austria, having a place of business at 1 Koedong-dong, Nam-ku, Pohang-si, Kyungsangbook-do 790-300, Republic of Korea; San 32, Hyoja-dong, Nam-ku, Pohang-si, Kyungsangbook-do 790-330, Republic of Korea; and Turmstrasse 44, A-4031 Linz, Austria, respectively, hereinafter called the "assignees", are desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and valuable consideration paid to us by said assignees, the receipt of which is hereby acknowledged, we do hereby assign, sell, transfer, and set over unto said assignees the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof, said assignees to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have

the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignees or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignees or by counsel for said assignees, to assist or enable said assignees to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignees.

Dated: Feb 1, 2001

Il Ock Lee
Il Ock Lee

Dated: Feb. 1, 2001

Hang Goo Kim
Hang Goo Kim

Dated: Feb. 1, 2001

Uoo Chang Jung
Uoo Chang Jung

Dated: Feb. 1, 2001

Nag Joon Choi
Nag Joon Choi