

Client Code: SAEG194.001C1 **RECORDATIK**


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Documents or copy thereof.

<p>1. Name of conveying party(ies): (List using names or numbers for multiple parties)</p> <ol style="list-style-type: none"> Bunji Ukaji Kenji Ogawa Toshiyuki Matsumoto Akira Nishihira Katsuyoshi Mukai <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>103164732</p> <p>Name: NIPPON CRUCIBLE CO., LTD. Internal Address: Street Address: 21-3, Ebisu 1-chome, Shibuya-ku City/State/ZIP: Tokyo, Japan 1500013</p> <p>Name: DAIKI ALUMINIUM INDUSTRY CO., LTD. Internal Address: Street Address: 46, Minamikyuhoji 3-chome, Yao-shi City/State/ZIP: Osaka, Japan 5810076</p> <p>Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <ol style="list-style-type: none"> December 15, 2005 December 15, 2005 December 15, 2005 December 15, 2005 December 15, 2005 	<p>4. US or PCT Application number(s) or US Patent number(s): <input checked="" type="checkbox"/> Application(s) filed herewith</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: SAEG194.001C1</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40 <input checked="" type="checkbox"/> Enclosed</p> <p>01/18/2006 SSITHIB1 00000035 11331543 04 FC:8021 40.00 DP</p>	<p>8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p>Eric M. Nelson Name of Person Signing</p> <p> Signature</p> <p>January 13, 2006 Date</p> <p>43,829 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 4</p>	

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PATENT
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ASSIGNMENT

WHEREAS, I/WE (1) UKAJI Bunji,

a Japanese citizen, residing at c/o YOKI CO., LTD., 1, Kitayama, Hokoji-cho, Nishio-shi, Aichi 4450892, Japan

(2) OGAWA Kenji,

a Japanese citizen, residing at c/o DAIKI ALUMINIUM INDUSTRY CO., LTD., 46, Minamikyuhoji 3-chome, Yao-shi, Osaka 5810076, Japan

(3) MATSUMOTO Toshiyuki,

a Japanese citizen, residing at c/o CHUO CERAMIC CO., LTD., 5-1159, Kozoji-cho Kita, Kasugai-shi, Aichi 4870016, Japan

(4) NISHIHIRA Akira,

a Japanese citizen, residing at c/o NIPPON CRUCIBLE CO., LTD., 11-32, Inadashinmachi 3-chome, Higashiosaka-shi, Osaka 5770004, Japan

(5) MUKAI Katsuyoshi,

a Japanese citizen, residing at c/o NIPPON CRUCIBLE CO., LTD., 2-22, Inadauemachi 1-chome, Higashiosaka-shi, Osaka 5770002, Japan

(6) _____,

a _____ citizen, residing at _____

(7) _____,

a _____ citizen, residing at _____

(8) _____,

a _____ citizen, residing at _____

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in MOLTEN-METAL TRANSFERRING LADLE AND MOLTEN-METAL TAPPING METHOD the specification of which:

(a) is attached hereto; or

(b) was filed on _____ as Application No. _____ or Express Mail No., as Application No. not yet known _____ and was amended on _____ (if applicable); or

(c) was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS, 1) NIPPON CRUCIBLE CO., LTD., and 2) DAIKI ALUMINIUM INDUSTRY CO., LTD.,

1) 21-3, Ebisu 1-chome, Shibuya-ku, Tokyo 1500013, Japan; and
with its principal place of business at 2) 46, Minamikyuhoji 3-chome, Yao-shi, Osaka 5810076, Japan,
(hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 15th day of December, 2005 B. Uraji
Signature of UKAJI Bunji

This 15th day of December, 2005 K. Ogawa
Signature of OGAWA Kenji

This 15th day of December, 2005 T. Matsumoto
Signature of MATSUMOTO Toshiyuki

This 15th day of December, 2005

A. Nishihira
Signature of NISHIHIRA Akira

This 15th day of December, 2005

K. Mukai
Signature of MUKAI Katsuyoshi

This _____ day of _____, 20____

Signature of

This _____ day of _____, 20____

Signature of

This _____ day of _____, 20____

Signature of