



Atty Docket No.: 232194US3/tca

FORM PTO-1595
1-31-92

10/29/03

RECORDATION FORM COVER SHEET
PATENTS ONLY

11-03-2003



To the Director of the United States Patent and Trademark Office. Please record the att

<p>1. Name of conveying party(ies): Nobuaki HINAGO, Chikara SAEKI, Kiyonori OZEKI and Hideki IWAMOTO</p> <p>Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>2. Name and address: 102590077</p> <p>Name: KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.) Address: 10-26, Wakinohama-cho 2-chome, Chuo-ku, Kobe-shi, Hyogo 651-8585 JAPAN</p> <p>Additional name(s) and address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: December 11, 2002</p>	

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:

<p>A. Patent Application No.(s) 10/328,030</p>	<p>B. Patent No.(s)</p>
<p>Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Customer Number 22850</p> <p>Tel. (703) 413-3000 Fax. (703) 413-2220</p>	<p>6. Total applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)</p>
---	---

DO NOT USE THIS SPACE

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.

<p>_____ C. Irvin McClelland Name of Person Signing</p>	<p><i>Joseph A. Scafetta Jr.</i> _____ Signature</p>	<p><i>Oct. 29, 2003</i> _____ Date</p>
---	--	--

Registration Number: 21,124 Joseph A. Scafetta, Jr.
Registration No. 26,803

Total number of pages including this cover sheet: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark Office
Mail Stop Assignment Recordation Services
Alexandria, Virginia. 22313

10/31/2003 EQUOPER 00000116 10328030

01 FC:8021

40.00 0P

PATENT
REEL: 014641 FRAME: 0793

ASSIGNMENT OF APPLICANT

WHEREAS I (WE) Nobuaki HINAGO, Chikara SAEKI, Kiyonori OZEKI and Hideki IWAMOTO all in residence c/o Hatano Plant in Kobe Steel, Ltd. Hirasawa 65, Hatano-shi, Kanagawa 257-0015 Japan, respectively, have invented certain new and useful improvements in:

METHOD FOR PRODUCING SEAMLESS TUBE WITH GROOVED INNER SURFACE

for which an application for Letters Patent was executed on December 11, 2002 (Application No. 10/328,030), and filed December 26, 2002, and

WHEREAS, Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) having a place of business at: 10-26, Wakinohama-cho 2-chome, Chuo-ku, Kobe-shi, Hyogo 651-8585 Japan (hereinafter referred to as "ASSIGNEE") is/are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. of FOURTH FLOOR 1755 JEFFERSON DAVIS HWY ARLINGTON, VIRGINIA 22202 U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

10/328.030

Date December 11, 2002

Nobuaki Hinago
Nobuaki HINAGO

Date December 11, 2002

Chikara Saeiki
Chikara SAEKI

Date December 11, 2002

Kiyonori Ozeki
Kiyonori OZEKI

Date December 11, 2002

Hideki Iwamoto
Hideki IWAMOTO

Date

Date

Date

Date

Date

Date

Date

Date

Date

Date

Date
