

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ken-ichiro HARA</td><td>03/27/2006</td></tr><tr><td>Hidemi TAKAO</td><td>02/25/2006</td></tr><tr><td>Setsuo MISHIMA</td><td>02/25/2006</td></tr><tr><td>Etsuo FUJITA</td><td>03/06/2006</td></tr></tbody></table>	Name	Execution Date	Ken-ichiro HARA	03/27/2006	Hidemi TAKAO	02/25/2006	Setsuo MISHIMA	02/25/2006	Etsuo FUJITA	03/06/2006	
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RECEIVING PARTY DATA											
Name:	HITACHI METALS, LTD.										
Street Address:	2-1, Shibaura 1-chome,										
Internal Address:	Minato-ku,										
City:	Tokyo,										
State/Country:	JAPAN										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10574839</td></tr></tbody></table>	Property Type	Number	Application Number:	10574839							
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Application Number:	10574839										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	Peter D. Olexy										

CH \$40.00 10574839

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PATENT
REEL: 018456 FRAME: 0591

ASSIGNMENT

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar(\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI METALS, LTD., a corporation organized under the laws of Japan, located at 2-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI METALS, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

METHOD FOR PRODUCING STEEL INGOT

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith,

and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI METALS, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI METALS, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)	WITNESSES (立会人サイン)
1) <u>Ken-ichiro HARA</u> Ken-ichiro HARA	<u>March 27, 2006</u>	<u>Jun Sanckama</u>
2) <u>Hidemi TAKAO</u> Hidemi TAKAO	<u>February 25, 2006</u>	<u>Yoshio Onda</u>
3) <u>Setsuo MISHIMA</u> Setsuo MISHIMA	<u>February 25, 2006</u>	<u>Shigeru Kihara</u>
4) <u>Etsuo FUJITA</u> Etsuo FUJITA	<u>6 March 2006</u>	<u>T. Tanih</u>
5) _____	_____	_____
6) _____	_____	_____
7) _____	_____	_____
8) _____	_____	_____
9) _____	_____	_____

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