

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KUNIIHIKO KONDO	03/26/2018
KAZUHIRO OHTAKI	03/26/2018
YUJI MINOWA	03/26/2018
TOSHINARI TAKEYAMA	03/30/2018
TOSHIO KAGITANI	03/30/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	YACHIYO INDUSTRY CO., LTD.
<b>Street Address:</b>	393 KASHIWABARA, SAYAMA-SHI,
<b>City:</b>	SAITAMA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	3501335
<b>Name:</b>	THE JAPAN STEEL WORKS, LTD.
<b>Street Address:</b>	11-1 OSAKI 1-CHOME
<b>Internal Address:</b>	SHINAGAWA-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	141-0032
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15770216
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)748-5915
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	202-748-5902
<b>Email:</b>	tsato@kviplaw.com, ip@kviplaw.com
<b>Correspondent Name:</b>	KENEALY VAIDYA LLP
<b>Address Line 1:</b>	3000 K STREET, N.W.
<b>Address Line 2:</b>	SUITE 200
<b>Address Line 4:</b>	WASHINGTON, D.C. 20007

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	5096-0035
<b>NAME OF SUBMITTER:</b>	DAVID J. KENEALY
<b>SIGNATURE:</b>	/david j. kenealy/
<b>DATE SIGNED:</b>	04/23/2018
<b>Total Attachments: 4</b> source=Assignment_5096-0035#page1.tif source=Assignment_5096-0035#page2.tif source=Assignment_5096-0035#page3.tif source=Assignment_5096-0035#page4.tif	

**ASSIGNMENT**

WHEREAS WE, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

**PARISON GUIDE**

for which WE filed PCT Application No. **PCT/JP2016/080023** on **October 7, 2016** and for which WE executed an application for United States Letters Patent concurrently herewith; and

WHEREAS **YACHIYO INDUSTRY CO., LTD.**, a corporation of Japan, whose post office address is **393 Kashiwabara, Sayama-shi, Saitama 350-1335, JAPAN** and **THE JAPAN STEEL WORKS, LTD.**, a corporation of Japan, whose post office address is **11-1 Osaki 1-chome, Shinagawa-ku, Tokyo 141-0032, JAPAN** (hereinafter collectively referred to as Assignee), are desirous of jointly and equally securing and sharing the entire right, title, and interest in and to this invention in all countries throughout the world in equal and joint portion, and in and to the application of United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, WE HEREBY authorize and request the attorneys WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 15/770,216, filed April 23, 2018) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

<u>Full Name of First Assignor</u> <b>Kunihiko KONDO</b>	<u>Assignor's Signature</u> <i>Kunihiko Kondo</i>	<u>Date</u> <i>March 26, 2018</i>
<u>Address:</u> <b>c/o YACHIYO INDUSTRY CO., LTD., Saitama R&amp;D Center, 2-11, Hirose-dai 2-chome, Sayama-shi, Saitama 350-1328, JAPAN</b>		<u>Citizenship</u> <b>Japan</b>
<b>Names of additional inventors attached</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<u>Full Name of Second Assignor</u> <b>Kazuhiro OHTAKI</b>	<u>Assignor's Signature</u> <i>Kazuhiro OHTAKI</i>	<u>Date</u> <i>March 26, 2018</i>
<u>Address:</u> c/o YACHIYO INDUSTRY CO., LTD., Saitama R&D Center, 2-11, Hirose-dai 2-chome, Sayama-shi, Saitama 350-1328, JAPAN		<u>Citizenship:</u> Japan
<u>Full Name of Third Assignor</u> <b>Yuji MINOWA</b>	<u>Assignor's Signature</u> <i>yuji minowa</i>	<u>Date</u> <i>March 26, 2018</i>
<u>Address:</u> c/o YACHIYO INDUSTRY CO., LTD., Saitama R&D Center, 2-11, Hirose-dai 2-chome, Sayama-shi, Saitama 350-1328, JAPAN		<u>Citizenship:</u> Japan
<u>Full Name of Fourth Assignor</u> <b>Toshinari TAKEYAMA</b>	<u>Assignor's Signature</u>	<u>Date</u>
<u>Address:</u> c/o Yokohama Plant, THE JAPAN STEEL WORKS, LTD., 2-1, Fukuura 2-chome, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0004, JAPAN		<u>Citizenship:</u> Japan
<u>Full Name of Fifth Assignor</u> <b>Toshio KAGITANI</b>	<u>Assignor's Signature</u>	<u>Date</u>
<u>Address:</u> c/o Yokohama Plant, THE JAPAN STEEL WORKS, LTD., 2-1, Fukuura 2-chome, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0004, JAPAN		<u>Citizenship:</u> Japan
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NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

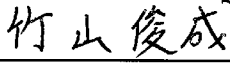
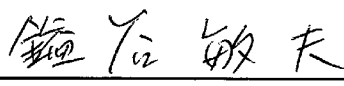
AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

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<u>Full Name of Second Assignor</u> <b>Kazuhiro OHTAKI</b>	<u>Assignor's Signature</u>	<u>Date</u>
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<u>Full Name of Fourth Assignor</u> <b>Toshinari TAKEYAMA</b>	<u>Assignor's Signature</u> 	<u>Date</u> March 30, 2018
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KENEALY VAIDYA LLP