

## 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>
	YOHEI TANIGUCHI	07/03/2015
	KAZUYOSHI MOROOKA	07/03/2015
	KUNIO TAKEDA	07/03/2015
<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>	350-1335	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14764249	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>	864-271-1592	
<b>Email:</b>	DOCKETING@DORITY-MANNING.COM	
<b>Correspondent Name:</b>	DORITY & MANNING, P.A.	
<b>Address Line 1:</b>	POST OFFICE BOX 1449	
<b>Address Line 4:</b>	GREENVILLE, SOUTH CAROLINA 29602-1449	
<b>ATTORNEY DOCKET NUMBER:</b>	OSHI-18-PCT-US	
<b>NAME OF SUBMITTER:</b>	JASON A. JENNINGS	
<b>SIGNATURE:</b>	/jason a. jennings reg 64,391/	
<b>DATE SIGNED:</b>	07/29/2015	
<b>Total Attachments: 2</b>		
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source=OSHI_18_PCT_US_Assignment#page2.tif		

**JOINT INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, we, Yohei TANIGUCHI, a citizen of Japan, residing at c/o Yachiyo Industry Co., Ltd., Tochigi R&D Center, 1959-5 Oshiage, Sakura-shi, Tochigi, 329-1334 Japan; Kazuyoshi MOROOKA, a citizen of Japan, residing at c/o Yachiyo Industry Co., Ltd., Tochigi R&D Center, 1959-5 Oshiage, Sakura-shi, Tochigi, 329-1334 Japan; and Kunio TAKEDA, a citizen of Japan, residing at c/o Yachiyo Industry Co., Ltd., Tochigi R&D Center, 1959-5 Oshiage, Sakura-shi, Tochigi, 329-1334 Japan; as assignors, have made an invention entitled

as described in a patent application for U.S. Letters Patent executed by me on even date herewith, which is about to be filed in the U.S. Patent and Trademark Office; and

**WHEREAS**, Yachiyo Industry Co., Ltd., 393 Kashiwabara, Sayama-shi, Saitama 350-1335 Japan, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

**NOW, THEREFORE**, be it known that for 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 for Patents 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 for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

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 of this invention in said assignee, its successors and 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.

IN WITNESS WHEREOF, the Assignors have executed this document on the date indicated below:

Yohel Taniguchi  
Yohel TANIGUCHI

July 3, 2015  
Date

Kazuyoshi Morooka  
Kazuyoshi MOROOKA

July 3, 2015  
Date

Kunio TAKEDA  
Kunio TAKEDA

July 03, 2015  
Date