

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8408464

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
IHI CORPORATION	12/14/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MITSUI E&S DU CO., LTD.
<b>Street Address:</b>	5292, AIOI
<b>City:</b>	AIOI-SHI, HYOGO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	678-0041
<b>PROPERTY NUMBERS Total: 5</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	9556818
Patent Number:	9810142
Patent Number:	9790843
Patent Number:	9605590
Patent Number:	11162440
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)783-6031
<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>Email:</b>	kshelton@rothwellfigg.com
<b>Correspondent Name:</b>	ROTHWELL, FIGG, ERNST & MANBECK, P.C.
<b>Address Line 1:</b>	901 NEW YORK AVENUE, N.W.
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<b>Address Line 4:</b>	WASHINGTON, D.C. 20001
<b>ATTORNEY DOCKET NUMBER:</b>	4371-101,105,122,138,213
<b>NAME OF SUBMITTER:</b>	JOSEPH A. HYNDS (REG. NO. 34,627)
<b>SIGNATURE:</b>	/Joseph A. Hynds/
<b>DATE SIGNED:</b>	01/29/2024
<b>Total Attachments: 3</b> source=9,556,818 et al. Assignment#page1.tif	

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\* 読取証  
(Pothwell 事務所)  
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ASSIGNMENT

WHEREAS, IHI Corporation, a corporation of Japan having a place of business at 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710, Japan, ("ASSIGNOR"), by assignment, all right, title, and interest in the U.S. Patents listed on EXHIBIT A of this document (collectively the "Patents"), and any invention(s) claimed therein; and

WHEREAS, Mitsui E&S DU Co., Ltd., a corporation of Japan having a place of business at 5292 Aioi, Aioi-shi, Hyogo 678-0041, Japan ("ASSIGNEE"), desires to acquire ASSIGNOR'S entire right, title, and interest in and to the Patents.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. ASSIGNOR hereby sells, assigns, transfers, and sets over to ASSIGNEE, its lawful successors and assigns, ASSIGNOR'S entire right, title, and interest in and to the Patents, the invention(s) claimed therein, any other resulting patent application(s), and all Letters Patent of the United States that may be granted thereon, and all continuations, reissues, reexaminations, and extensions thereof; and all rights to claim priority on the basis of such application(s), and all applications for Letters Patent that may be filed for the invention(s) in any foreign country and all Letters Patent that may be granted on the invention(s) in any foreign country, and all extensions, renewals, and reissues thereof;

2. ASSIGNOR hereby grants to ASSIGNEE the right to recover damages and all other relief for all infringements of the Patents that have occurred prior to the date of this Assignment with the right to sue for and collect the same, for ASSIGNEE'S own use and enjoyment and for the use and enjoyment of their successors, assigns or other legal representatives, free and clear of all liens, claims, charges, security interests, and other encumbrances;

3. ASSIGNOR covenants that ASSIGNOR has the full right to convey the interest assigned by this Assignment;

4. ASSIGNOR hereby further covenants and agrees that ASSIGNOR, through its officers and employees, will, without further consideration, communicate with ASSIGNEE, its successors and assigns, any facts known to ASSIGNOR and its officers, employees, and agents respecting the Patents and invention(s) and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to the Patents and invention(s) 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 the invention(s) 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 ASSIGNEE, its successors and assigns. IN TESTIMONY WHEREOF, each party has caused its authorized representative to execute this Assignment.

059-6560010719  
第10 譲渡証  
(Kohwoll 申請済)  
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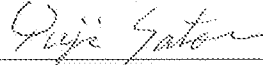
ASSIGNOR:

ASSIGNEE:

IHI Corporation

Mitsui E&S DU Co., Ltd.

By:

  
-----  
Yuji SATO, General Manager of  
Intellectual Property Department

By:

  
-----  
Hiroyuki TAKUMI, President

Date:

December 14, 2023

Date:

January 11, 2024

osp 53600 no. 449  
米国 特許証  
(Rothwell 事務所)  
3/3

EXHIBIT A

No.	Country	Application No.	Patent No.	Filing Date	Issue Date	Title
1	US	14/559,555	9,556,818	12/3/2014	1/31/2017	TWO-STROKE UNIFLOW ENGINE
2	US	14/634,113	9,810,142	2/27/2015	11/7/2017	UNIFLOW-SCAVENGING-TYPE TWO-CYCLE ENGINE
3	US	14/935,889	9,790,843	11/9/2015	10/17/2017	UNIFLOW SCAVENGING 2-CYCLE ENGINE
4	US	15/208,755	9,605,590	7/13/2016	3/28/2017	CROSSHEAD ENGINE
5	US	17/013,409	11,162,440	9/4/2020	11/2/2021	VARIABLE COMPRESSION DEVICE AND ENGINE SYSTEM