

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5024500

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
mitsubishi heavy industries, ltd.	06/04/2018
RECEIVING PARTY DATA	
Name:	MITSUBISHI SHIPBUILDING CO., LTD.
Street Address:	3-1, MINATOMIRAI 3-CHOME, NISHI-KU
City:	YOKOHAMA-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	220-8401
PROPERTY NUMBERS Total: 6	
Property Type	Number
Application Number:	15106984
Application Number:	15518526
Application Number:	15518764
Application Number:	15518763
Application Number:	15551274
Application Number:	15579049
CORRESPONDENCE DATA	
Fax Number:	(703)519-7769
<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>	
Phone:	703-519-9785
Email:	office@uspatentagents.com
Correspondent Name:	KANESAKA BERNER AND PARTNERS LLP
Address Line 1:	2318 MILL ROAD
Address Line 2:	SUITE 1400
Address Line 4:	ALEXANDRIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	SHP-GENERAL
NAME OF SUBMITTER:	MANABU KANESAKA
SIGNATURE:	/Manabu Kanesaka/
DATE SIGNED:	06/26/2018

Total Attachments: 2

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ASSIGNMENT

WHEREAS, **mitsubishi heavy industries, LTD.**, whose post office address is 16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 JAPAN (hereinafter referred to as ASSIGNER), is the assigner of the U.S. Patent and Patent Applications listed in Appendix I attached to this Assignment (hereinafter referred to as the INVENTION); by virtue of the respective assignment from the inventor as also listed in Appendix I and

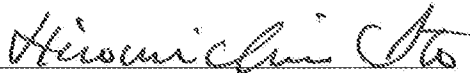
WHEREAS, **Mitsubishi Shipbuilding Co., Ltd.**, whose post office address is 3-1, Minatomirai 3-Chome, Nishi-ku, Yokohama-shi, Kanagawa 220-8401 JAPAN (hereinafter referred to as ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNER, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTIONS and applications throughout the United States of America, including the right to sue for past infringement, including any and all Letters Patents granted on any division, continuation, continuation-in-part and reissue of said applications; and the entire right, title and interest in and to the said INVENTIONS throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNER under the terms of the Paris International Convention and any other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said INVENTION.

ALSO, ASSIGNER hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said applications or any other patent applications or inventor's certificate in the United States and in foreign countries for said INVENTIONS, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNER also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNER'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNER in respect of the prosecution, maintenance and defense of any patent applications or patents encompassed within the terms of this instrument. ASSIGNER'S obligations under this instrument shall extend to ASSIGNER'S heirs, executors, administrators and other legal representatives.

ASSIGNER hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such United States Letters Patents may be granted, as fully and entirely as the same would have been held by ASSIGNER had this assignment and sale not been made.

Signature



Date: June 4, 2018

Hiromichi ITO, General Manager of Intellectual Property Department of MITSUBISHI HEAVY INDUSTRIES, LTD.

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Appendix 1

<u>Application</u>		<u>Assignment</u>		<u>Reference Numbers</u>	<u>Patent Number</u>
<u>Number</u>	<u>Filing Date</u>	<u>Recorded</u>	<u>Reel/Frame</u>		
15/106,984	03/02/2017	06/21/2016	038974 / 0600	SHP-115	N/A
15/518,526	04/12/2017	04/12/2017	041987 / 0987	SHP-150	N/A
15/518,764	04/13/2017	04/13/2017	041988 / 0503	SHP-148	N/A
15/518,763	04/13/2017	04/13/2017	041988 / 0378	SHP-151	N/A
15/551,274	08/15/2017	08/16/2017	043568 / 0046	SHP-158	N/A
15/579,049	12/01/2017	12/01/2017	044277 / 0266	SHP-164	N/A