

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT5056131

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
mitsubishi heavy industries, ltd.	06/20/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD.
<b>Street Address:</b>	3-1, MINATOMIRAI 3-CHOME, NISHI-KU, YOKOHAMA-SHI
<b>City:</b>	KANAGAWA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	220-8401

**PROPERTY NUMBERS Total: 22**

Property Type	Number
Application Number:	13859339
Application Number:	14437076
Application Number:	14769190
Application Number:	14673114
Application Number:	14672754
Application Number:	14672807
Application Number:	14672996
Application Number:	13623491
Application Number:	14366523
Application Number:	14899375
Application Number:	14781152
Application Number:	14363992
Application Number:	14673366
Application Number:	14673483
Application Number:	14908782
Application Number:	14641780
Application Number:	14641684
Application Number:	14641788
Application Number:	14641668
Application Number:	15551344

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Property Type	Number
Application Number:	15551491
Application Number:	15551470

**CORRESPONDENCE DATA**

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<b>ATTORNEY DOCKET NUMBER:</b>	AS180003US00
<b>NAME OF SUBMITTER:</b>	STEPHEN G. ADRIAN
<b>SIGNATURE:</b>	/Stephen G. Adrian/
<b>DATE SIGNED:</b>	07/18/2018

**Total Attachments: 3**  
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ASSIGNMENT

WHEREAS, **MITSUBISHI HEAVY INDUSTRIES, LTD.**, a corporation duly organized under the laws of Japan and having its principal place of business at **16-5, Konan 2-Chome, Minato-ku, Tokyo 108-8215 Japan** is the owner of the entire right, title and interest in and to the inventions described and claimed in the U.S. Applications and U.S. Patents indicated in the attached list, by virtue of assignments recorded at the U.S. Patent and Trademark Office;

WHEREAS, **MITSUBISHI HEAVY INDUSTRIES, LTD.**, hereinafter referred to as ASSIGNOR, is desirous of assigning its entire right, title and interest in and to said listed U.S. Applications and U.S. Patents;

WHEREAS, **MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD.**, a corporation duly organized under the laws of Japan and having its principal place of business at **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 as held by ASSIGNOR in and to said listed U.S. Applications and U.S. Patents;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: be it known that for good and valuable consideration, the adequacy and receipt of which is hereby acknowledged by ASSIGNOR, hereby sells, assigns, and transfers to ASSIGNEE, its entire right, title, and interest in and to United States Patent Applications and United States Patents specified in the attached list, and the inventions therein, for the full term of the said United States Patent Application and any and all U.S. patents granted therein and any reissue, extension, reexamination, continuation, or divisional thereof.

IN WITNESS WHEREOF, the undersigned ASSIGNOR has hereunto set hand and seal this

20<sup>th</sup> day of June, 2018.

Assignor: **MITSUBISHI HEAVY INDUSTRIES, LTD.**

Signature of Representative: \_\_\_\_\_

*Hiro-michi Ito*

Name: Hiromichi Ito

Title: General Manager of Intellectual Property Department

List of Affected U.S. Patent Applications and U.S. Patents

U.S. Application or Patent Number	Assignment Reel/Frame	Attorney Docket No.
13/859,339	031444/0757	P24629US00
14/437,076	035450/0761	P25159US00
14/769,190	036381/0833	P25537US00
14/673,114	035290/0425	P25717US00
14/672,754	035289/0967	P25718US00
14/672,807	035290/0009	P25719US00
14/672,996	035290/0286	P25721US00
13/623,491	029963/0868	P4788US00
14/366,523	034007/0346	P24901US00
14/899,375	037320/0209	P25922US00
14/781,152	036682/0047	P25654US00
14/363,992	033060/0124	P24919US00
14/673,366	035291/0596 035291/0642	P25720US00
14/673,483	035292/0358	P25722US00
14/908,782	037621/0740	P26093US00
14/641,780	035649/0513	P5593US00
14/641,684	035649/0012	P5594US00
14/641,788	035666/0150	P5596US00
14/641,668	035705/0168	P5597US00

Attorney Docket No. ASI80003US00

15/551,344	043306/0959	P170879US00
15/551,491	043310/0190	P170881US00
15/551,470	043309/0106	P170880US00