505077980 09/05/2018

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------------------|----------------|
| MITSUBISHI HEAVY INDUSTRIES, LTD. | 08/10/2018 |

RECEIVING PARTY DATA

| Name: | MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD. | | |
|-----------------|---|--|--|
| Street Address: | 3000, TANA, CHUO-KU | | |
| City: | SAGAMIHARA-SHI, KANAGAWA | | |
| State/Country: | JAPAN | | |
| Postal Code: | 252-5293 | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------|---------|
| Patent Number: | 8083474 |

CORRESPONDENCE DATA

Fax Number: (617)227-4420

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.

Phone: 2024787375

Email: akiko.angelov@lockelord.com

Correspondent Name: LOCKE LORD LLP **Address Line 1:** P.O. BOX 55874

Address Line 4: BOSTON, MASSACHUSETTS 02205

| ATTORNEY DOCKET NUMBER: | 1451333.165US9 | |
|-------------------------|--------------------------|--|
| NAME OF SUBMITTER: | JAMES E. ARMSTRONG, IV | |
| SIGNATURE: | /James E. Armstrong, IV/ | |
| DATE SIGNED: | 09/05/2018 | |

Total Attachments: 2

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PATENT 505077980 REEL: 046788 FRAME: 0172

ASSIGNMENT

WHEREAS, Mitsubishi Heavy Industries, Ltd., a company organized under and pursuant to the laws of Japan having its principal place of business at 16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 JAPAN (hereinafter referred to as Assignor), is the joint owner, by assignment, of the Patent listed in Schedule A; and

WHEREAS, Mitsubishi Heavy Industries Engine & Turbocharger, Ltd., a company organized under and pursuant to the laws of Japan having its principal place of business at 3000, Tana, Chuo-ku, Sagamihara-shi, Kanagawa 252-5293 Japan (hereinafter referred to as Assignee), is desirous of acquiring the right, title and interest in, to and under said Patent and the invention covered thereby;

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, the said Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the said Assignee, its entire right, title and interest for the United States of America and all other countries in and to said applications for all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefore in the United States of America and all other countries on the attached list of Schedule A, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on Schedule A to said assignee herein, a joint assignee of the interest therein; and the undersigned for itself and its legal representatives, heirs and assigns does hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said invention listed on Schedule A whenever requested, to testify in any interferences or other legal proceedings in which said application or patent may become involved, to sign all lawful papers, make all rightful oaths, and do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said invention listed on Schedule A in the United States of America and all other countries, the expenses incident to said patent listed on Schedule A to be borne and paid by said assignee.

1451333.165US9

SCHEDULE A

| Patent Number | Issue Date of Patent | Inventor | Title | Ctry |
|------------------|----------------------|---------------------|--------------|------|
| | 12-27- | Shigeo Hashimoto et | TURBOCHARGER | US |
| 8,083,474 | 2011 | al | | |

Assignor:

Mitsubishi Heavy Industries, Ltd.

By:

Himaichin Uto

Name:

Hiromichi Ito

Title:

General Manager of Intellectual Property Department

Date:

Aug. 10, 2018

1451333.165US9

RECORDED: 09/05/2018