

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 machinery technology corporation	02/09/2018
RECEIVING PARTY DATA	
Name:	mitsubishi heavy industries machinery systems, ltd.
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16375396
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SIGNATURE:	/Benjamin J. Hauptman/
DATE SIGNED:	04/15/2019
Total Attachments: 2	
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source=F-Assignment_CompanytoCompany#page2.tif	

ASSIGNMENT

WHEREAS, mitsubishi heavy industries machinery technology corporation, whose post office address is 6-22, Kan-on-shin-machi 4-chome, Nishi-ku Hiroshima-shi, Hiroshima, 733-8553 Japan (hereinafter referred to as ASSIGNOR), is the assignee of U.S. Patent Applications listed in Appendix 1 attached to this Assignment, (hereinafter referred to as the INVENTIONS); by virtue of the respective assignment(s) from the inventor(s) as also listed in Appendix 1, and

WHEREAS, MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS, LTD., whose post office address is 1-1, Wadasaki-cho 1-chome, Hyogo-ku, Kobe-shi, Hyogo 652-8585 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, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTIONS and application throughout the United States of America, including the right to sue for past infringement, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; 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 ASSIGNOR 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 INVENTIONS.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor's certificate(s) 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 INVENTIONS, all without further consideration. ASSIGNOR 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 INVENTIONS that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent 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 Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Mitsubishi Heavy Industries Machinery Technology Corporation

Signature: Motoetsu Ishii
Motoetsu ISHII

Date: February 9, 2018

President
Title

PATENT
REEL: 048884 FRAME: 0367

Appendix 1

Application Number	Filing Date	Assignment		Reference Numbers	Additional Reference Numbers
		Dated	Reel/Frame		
15/548,090	8/1/2017	11/16/2017	044157 / 0175	MLP-015	FP1547-2