

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKAYUKI SHIMIZU	11/18/2019
AKIHISA OKUDA	11/18/2019
RYOTA OZAKI	11/18/2019
SHOYA MANO	11/18/2019
MASAHICO SHIMIZU	11/18/2019
RECEIVING PARTY DATA	
Name:	MITSUBISHI HEAVY INDUSTRIES, LTD.
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Internal Address:	CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8332
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16624409
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ATTORNEY DOCKET NUMBER:	TMP-181
NAME OF SUBMITTER:	BENJAMIN J. HAUPTMAN
SIGNATURE:	/Benjamin J. Hauptman/
DATE SIGNED:	12/19/2019

Total Attachments: 2

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source=Assignment#page2.tif

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|---------------------|---------------------|
| 1) Takayuki SHIMIZU | 4) Shoya MANO |
| 2) Akihisa OKUDA | 5) Masahiko SHIMIZU |
| 3) Ryota OZAKI | |

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

MITSUBISHI HEAVY INDUSTRIES, LTD. having a place of business at 2-3, Marunouchi 3-chome,
Chiyoda-ku, Tokyo, Japan 100-8332

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

FLEXIBLE MANDREL, AND METHOD FOR PRODUCING COMPOSITE COMPONENT

- (a) for which an application for United States Letters Patent was filed on 19DEC2019 and identified by United States Patent Application No. 16/624409; or
- (b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) Takayuki Shimizu
 Name: Takayuki SHIMIZU

November 18, 2019
 Date:

2) Akihisa Okuda
 Name: Akihisa OKUDA

November 18, 2019
 Date:

3) _____
 Name: Ryota OZAKI

 Date:

4) _____
 Name: Shoya MANO

 Date:

5) _____
 Name: Masahiko SHIMIZU

 Date:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

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SIGNED on the date indicated aside my signature:

1) _____
 Name: Takayuki SHIMIZU

 Date:

2) _____
 Name: Akihisa OKUDA

 Date:

3) Ryota Ozaki
 Name: Ryota OZAKI

November 18, 2019
 Date:

4) Shoya Mano
 Name: Shoya MANO

November 18, 2019
 Date:

5) Masahiko Shimizu
 Name: Masahiko SHIMIZU

November 18, 2019
 Date: