

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOMOKAZU YOSHIDA	01/09/2018
MASATOMO SHIROUZU	01/09/2018
KENICHI TSUKADA	01/09/2018
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15957327
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<b>NAME OF SUBMITTER:</b>	VALERIE P. HAYES
<b>SIGNATURE:</b>	/Valerie P. Hayes/
<b>DATE SIGNED:</b>	09/24/2019
<b>Total Attachments: 1</b>	
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# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

FANUC CORPORATION

(Insert  
ASSIGNEE's  
Name(s)  
Address(es))

3580, Shibokusa Aza-Komanba, Oshino-mura, Minamitsuru-gun, Yamanashi 401-0597,  
Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of  
Invention)

REACTOR INCLUDING END PLATE

relating to International Patent Application PCT/JP \_\_\_\_\_/\_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date  
of execution  
of application,  
if not  
concurrent)

(a) executed on January 9, 2018;  
(b) filed on April 19, 2018.  
Serial No. 15 / 957,327

*Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.*

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) <u>Tomokazu Yoshida</u> (SIGNATURE)	Tomokazu Yoshida (TYPE NAME)	January 9, 2018 (DATE)
2) <u>Masatomo Shirouzu</u> (SIGNATURE)	Masatomo Shirouzu (TYPE NAME)	January 9, 2018 (DATE)
3) <u>Kenichi Tsukada</u> (SIGNATURE)	Kenichi Tsukada (TYPE NAME)	January 9, 2018 (DATE)
4) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
5) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

PATENT

RECORDED: 09/24/2019

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