505852801 01/08/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAZUYASU MIZUSAWA	10/02/2019
YUJI SONE	10/02/2019

RECEIVING PARTY DATA

Name:	FANUC CORPORATION	
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Postal Code:	401-0597	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16736979

CORRESPONDENCE DATA

Fax Number: (703)518-5499

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.

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Email: bjhgroup@ipfirm.com HAUPTMAN HAM, LLP **Correspondent Name:** Address Line 1: 2318 MILL ROAD

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ATTORNEY DOCKET NUMBER: 4639-881 NAME OF SUBMITTER: BENJAMIN J. HAUPTMAN **SIGNATURE:** /Benjamin J. Hauptman/ **DATE SIGNED:** 01/08/2020

Total Attachments: 1

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PATENT REEL: 051448 FRAME: 0569 505852801

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

(Insert	FANUC CORPORATION						
ASSIGNEE's Name(s) Address(es))	3580, Shibokusa Aza-Komanba, Oshino-mura, Minamitsuru-gun, Yamanashi 401-0597, Japan						
							
	(hereinafter "ASSIGNEE"), the receipt of w transfers to ASSIGNEE the entire and exc		undersigned ASSIGNOR hereby sells, assign e invention entitled	s and			
(Title of Invention)	DEVICE INCLUDING DATE OF DE		MECHANISMS WHICH TRA	<u>ANSM</u> IT			
	relating to International Patent Applicatio	n PCT/JP	and/or for which application for Letters	Patent			
(Insert date of execution of application, if not concurrent)	(a) executed on	Assignee's attorney is he data, when known.	reby authorized to insert in (b) the specified				
concurrent	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)").						
	ASSIGNEE, to do all acts which the ASSIG enforcing protection for said invention, in said Letters Patent(s), in any interference, proceeding which may arise or be declared	ONEE may deem necessary, desiral cluding in the preparation and pro reissue, reexamination, or public d in relation to same, such acts to	without charge to but at the expense of said ble or expedient, for securing, maintaining a secution of said application(s) and the issua use proceeding, and in any litigation or othe include but not be limited to executing all p roviding sworn testimony, and obtaining an	ind ince of er legal apers,			
		ndersigned inventor(s) has (have) a	ffixed his/her/their signature(s).				
(Signatures)	1) Kazuyasu Mizusawc (SIGNATURE)	•	20/9. /0.2 (DATE)				
			(DATE)				
	a Viti Some	Yuji Sone	20, 10, 2				
	(SIGNATURE)	(TYPE NAME)	(DATE)				
	3 (SIGNATURE)	(TYPE NAME)	(DATE)				
	4)(SIGNATURE)	(TYPE NAME)	(DATE)				
	s)(signature)	(TYPE NAME)	(DATE)				
	6)(SIGNATURE)	(TYPE NAME)	(DATE)				
	7)(SIGNATURE)	(TYPE NAME)	(DATE)				
	8) (SIGNATURE)	(TYPE NAME)	(DATE)				

PATENT REEL: 051448 FRAME: 0570

RECORDED: 01/08/2020