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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

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Name	Execution Date
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ATSUSHI WATANABE	10/23/2017
MINORU NAKAMURA	10/23/2017

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15868754

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SIGNATURE:	/Jeffrey D. Karceski, Reg. No. 35,914/
DATE SIGNED:	01/12/2018

Total Attachments: 3

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PATENT 504727573 REEL: 044609 FRAME: 0365

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PATENT REEL: 044609 FRAME: 0366

Clien	ney's Docket No.: t Ref. No.: 17GXA1089F Serial No.:15/868,		PATENT ASSIGNMENT
ASSI	GNMENT OF INVENT	TION	
	For good and valuable	consideration, the receipt of which is hereby	acknowledged,
ASSI	GNORS:		
(t)	NAME: ADDRESS:	Yuuki TAKAHASHI c/o FANUC CORPORATION 3580, Shibokusa Aza-komanba, Oshino-n Minamitsuru-gun, Yamanashi 401-0597,	
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karah	y sell, assign and transfe		
	GNEE:	. 107	
Kani	NAME: ADDRESS: STATE/COUNTRY	FANUC CORPORATION 3580, Shibokusa Aza-komanba, Oshino-t Minamitsuru-gun, Yamanashi 401-0597,	
	of Incorporation:	Japan	
for the	e United States and its	d legal representatives of the ASSIGNEE, the territorial possessions and in all foreign cound all improvements which are disclosed in the	intries, including all rights to
on	n is found in US Patent A January 11, 2018 017-027984, filed on Fe	pplication Serial No. 15/868,754, and which claims priority to Japebruary 17, 2017, any legal equivalent them	, filed anese Patent Application No. eof in a foreign country, any

PATENT REEL: 044609 FRAME: 0367

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Attorney's Docket No.:

Client Ref. No.: 17GXA1089P-US U.S. Serial No.: 15/868,754

PATENT ASSIGNMENT

continuation, division, renewal, or substitute thereof, all Letters Patent to be obtained for the invention, and, as to Letters Patent, any reissue, re-examination, extension, or equivalent thereof.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to the invention and the Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives, without charge, any and all papers, instruments, oaths, or affidavits required to apply for, obtain, maintain, issue and enforce the application, the invention, the Letters Patent, and the equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS further authorize and empower ASSIGNEE, its successors, assigns and legal representatives or nominees, to invoke and assert a claim for any application for patent or other form of protection for the invention, the benefit of the right of priority being provided by any international convention presently in effect or enacted at a future date, and to invoke and claim such right of priority without further written or oral authorization from ASSIGNORS.

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of ASSIGNEE or its nominee to claim the aforesaid benefit of the right of priority.

ASSIGNORS hereby covenant with ASSIGNEE, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that ASSIGNORS have full right to convey the same as herein expressed.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further agree to permit ASSIGNEE's representative to add to this document any information that identifies any application or equivalent associated with the above-identified invention.

October 23, 2017 Date: / /

Ywaki Takahashi Yuuki TAKAHASHI

(Printed Name)

October 23, 2017

Assignment of Invention - Page 2 of 3

Client Ref. No.: 17GXA1089P-US U.S. Serial No.: 15/868.754			PATENT ASSIGNMENT	
October 23, 2017 Date://	Minon	nako	imna	;
	Signature of :		Minoru NAKAM (Printed	

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RECORDED: 01/12/2018