

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3852073

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	KUNIHICO HARADA	11/12/2015
	TAKAHIRO TANAKA	11/12/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	FANUC CORPORATION	
<b>Street Address:</b>	3580, SHIBOKUSA AZA-KOMANBA	
<b>Internal Address:</b>	OSHINO-MURA, MINAMITSURU-GUN	
<b>City:</b>	YAMANASHI	
<b>State/Country:</b>	JAPAN	
<b>Postal Code:</b>	401-0597	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14990115	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(610)407-0701	
<i>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.</i>		
<b>Phone:</b>	610-407-0700	
<b>Email:</b>	shunter@ratnerprestia.com	
<b>Correspondent Name:</b>	ROBERT A. ESPOSITO	
<b>Address Line 1:</b>	RATNERPRESTIA	
<b>Address Line 2:</b>	1235 WESTLAKES DRIVE, SUITE 301	
<b>Address Line 4:</b>	BERWYN, PENNSYLVANIA 19312	
<b>ATTORNEY DOCKET NUMBER:</b>	SEIF-217US	
<b>NAME OF SUBMITTER:</b>	ROBERT A. ESPOSITO, REG.NO. 65,071	
<b>SIGNATURE:</b>	/Robert A. Esposito/	
<b>DATE SIGNED:</b>	04/29/2016	
<b>Total Attachments: 1</b>		
source=SEIF-217US - Assignment#page1.tif		

# 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)

ROBOT CONTROL DEVICE FOR UPDATING ROTATION ANGLE BY  
PLURALITY OF ROTATION ANGLE DETECTORS

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 November 12, 2015  
(b) filed on January 7, 2016  
Serial No. 14 / 990,115;

Assignee's attorney is hereby authorized to insert in (b) the specified date, 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>Kunihiko Harada</u> (SIGNATURE)	Kunihiko Harada (TYPE NAME)	November 12, 2015 (DATE)
2) <u>Takahiro Tanaka</u> (SIGNATURE)	Takahiro Tanaka (TYPE NAME)	November 12, 2015 (DATE)
3) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (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)