OCT 17 2006 A Halsey LLP ector of the U.S. Entent and Transmark of conveying party(ies): Ishi OKITA o TOYOZAWA ruki KAWAMURA shi IKAI and Address of receiving party(ie LTD hibokusa, Aza-komanba mura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Assign 0056</u> . The corr ino-Mura, Minamitsuru-gun, Y	es): S	mitted via facsimi PO. Box 1450, Al on <u>April</u> STAAS & HALSE By: <u>20.6</u> Date : <u>4</u> + (4 CII of Merger Change of Name	OF FACSIMILE at this corresponde le to: Commissione exandria, VA 223	13-1450 _, 20 <u>0</u> (s <u>2</u>
A Halsey LLP ector of the U.S. Arent and Treemark of conveying party(ies): ashi OKITA o TOYOZAWA ruki KAWAMURA shi IKAI and Address of receiving party(ie LTD hibokusa, Aza-komanba mura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Assign 017289, Frame 0056. The cor</u>	es): S S S S S S S S S S S S S	<u>1033292</u> ease record the attach ease record the attach i hereby certify th mitted via facsim PO. Box 1450 At on <u>April</u> STAS & HALSE By: <u>20.6</u> Date : <u>4</u> t /f Eff of Merger Change of Name	OF FACSIMILE at this corresponde le to: Commissione exandria, VA 223 2 6 4 5 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	TRANSMISSION ence is being trans- ar for Patents, 13-1450 _, 200(0 2_
ector of the U.S. Prent and Troomark of conveying party(ies): ashi OKITA o TOYOZAWA ruki KAWAMURA shi IKAI and Address of receiving party(ie LTD shibokusa, Aza-komanba mura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Assign 017289, Frame 0056. The cor</u>	es): { { ssignee's A	Acia BEICATE / hereby certify th mitted via facsimi PO. Box 1450, Al onAPr: / STAAS & HALSE By:CO.C Date : + // Err of Merger Change of Name	OF FACSIMILE at this corresponde le to: Commission exandria, VA 223 2 (6 7	ence is being trans- ar for Patents, 13-1450 _, 20 <u>0</u> (o
of conveying party(ies): ashi OKITA o TOYOZAWA ruki KAWAMURA shi IKAI and Address of receiving party(ie LTD hibokusa, Aza-komanba mura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Assign 17289, Frame 0056. The cor</u>	es): { { ssignee's A	Hereby certify th mitted via facsimi P.O. Box 1450 Al on <u>Mpr: 1</u> STAS & HALSE By: <u>20.6</u> Date : <u>4</u> + (14) ETT of Merger Change of Name	OF FACSIMILE at this corresponde le to: Commissione lexandria, VA 223 2 6 7 2 6 7	ence is being trans- ar for Patents, 13-1450 _, 20 <u>0</u> (o
of conveying party(ies): Ishi OKITA D TOYOZAWA Puki KAWAMURA IKAI and Address of receiving party(ie LTD Inibokusa, Aza-komanba Imura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Assign 017289, Frame 0056. The cor</u>	S N C ssignee's A	mitted via facsimi PO. Box 1450, Al on <u>April</u> STAAS & HALSE By: <u>20.6</u> Date : <u>4</u> + (4 CII of Merger Change of Name	le to: Commissione lexandria, VA 223 2 6 7 <u>. e 1 D. o</u>	ence is being trans- ar for Patents, 13-1450 _, 20 <u>0</u> (o
LTD hibokusa, Aza-komanba mura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Ass</u> 017289, Frame 0056. The cor	S N C ssignee's A	on <u>April</u> STAAS & HALSE By: <u>206</u> Date : <u>4</u> t /f Errst	$\frac{26}{1.010000000000000000000000000000000000$	13-1450 _, 20 <u>0</u> (s <u>2</u>
LTD hibokusa, Aza-komanba mura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Ass</u> 017289, Frame 0056. The cor	S N C ssignee's A	STAAS & HALSE By: Date : + /- E / / • - Merger Change of Name	siel Dio	_ 20 <u>0</u> (o
hibokusa, Aza-komanba mura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Ass</u> <u>of 017289, Frame 0056. The cor</u>	N C ssignee's A	by: <u>Caa 6</u> Date : <u>4</u> + / / E / / √ Merger Change of Name	siel Dio	<u>e</u>
hibokusa, Aza-komanba mura, Minamitsuru-gun ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the Ass</u> <u>of 017289, Frame 0056. The cor</u>	N C ssignee's A	+ + ETT ↓↓ Merger Change of Name	<u> (- 703 (</u>	
ashi, 401-0597 Japan of conveyance: Assignment Security Agreement Other: <u>Record to correct the As</u> <u>of 017289, Frame 0056. The cor</u>	N C ssignee's A	Merger Change of Name		
of conveyance: Assignment Security Agreement Other: <u>Record to correct the As</u> 017289, Frame 0056. The cor	N C ssignee's A	Merger Change of Name		
Assignment Security Agreement Other: <u>Record to correct the Ass</u> 017289, Frame 0056. The cor	N C ssignee's A	Merger Change of Name		
Assignment Security Agreement Other: <u>Record to correct the Ass</u> 017289, Frame 0056. The cor	c signee's A	Change of Name		
Assignment Security Agreement Other: <u>Record to correct the Ass</u> 017289, Frame 0056. The cor	c signee's A	Change of Name		
Other: Record to correct the Ast 017289, Frame 0056. The cor	signee's A	-		
el 017289, Frame 0056. The cor		the Ace		
	rrect Assig			
<u>ino-mura, minamitsuru-gun, r</u>				<u>3580, Shibokusa, Aza</u>
on Date(s): <u>Inventor's 1 and 2 S</u>				r 29 2005: Inventor 4
2005	Jepteniber	20, 2000, mventor	<u>o oeptembe</u>	1 23, 2003, Inventor 4
s document is being filed togethe	er with a ne	ew application.		
OR				
_	ling of the a	application:		
Patent Application No(s). 11/287	7,336, filed	d November 28, 20	05 (Nov. 26,	2005 being a Saturday
Patent No(s)., issued.				
& HALSEY LLP n: <u>H. J. Staas</u>				ld be mailed:
				88 \
mber of applications and patent	ts involved:	: <u>1</u>		11287336
e (37 CER 3 /1) /*	40.00 per l	Patent or Applicati	on in Assians	
Enclosed		aten of Applicati	on in Assigni	nenty SS
Authorized to be charged to dep	posit accou	unt.		686]
Account No.: 19-3935 (Any ur	nderpayme	ent is authorized to	be charged t	to this Deposit Ac Surf
auplicate copy of this page if pay	iying by dep	posit account)		000
				*
				ANA
		Inster	/	Anil 2 J Frank
		IV/ State		rjon - 1 200
on Signing	Sigi	nature	D	Date 61
		₩	h	
	tion number(s) or patent numbers document is being filed together OR s document is being filed after file Patent Application No(s). <u>11/28</u> Patent No(s). , issued . and address of party to whom co & HALSEY LLP n: <u>H. J. Staas</u> ew York Ave., N.W., 7th Floor gton, D.C. 20005 umber of applications and paten	tion number(s) or patent number(s): s document is being filed together with a n OR s document is being filed after filing of the Patent Application No(s). <u>11/287,336</u> , filed Patent No(s). , issued . and address of party to whom corresponde & HALSEY LLP n: <u>H. J. Staas</u> ew York Ave., N.W., 7th Floor gton, D.C. 20005 umber of applications and patents involved e (37 CFR 3.41)	tion number(s) or patent number(s): a document is being filed together with a new application. OR a document is being filed after filing of the application: Patent Application No(s). <u>11/287,336</u> , filed <u>November 28, 20</u> Patent No(s). , issued . and address of party to whom correspondence concerning do & HALSEY LLP Our Docket: <u>2392</u> . n: <u>H. J. Staas</u> ew York Ave., N.W., 7th Floor gton, D.C. 20005 umber of applications and patents involved: <u>1</u> e (37 CFR 3.41)	tion number(s) or patent number(s): a document is being filed together with a new application. OR a document is being filed after filing of the application: Patent Application No(s). <u>11/287,336</u> , filed <u>November 28, 2005 (Nov. 26,</u> Patent No(s). , issued . and address of party to whom correspondence concerning document shou & HALSEY LLP Our Docket: <u>2392.1028</u> n: <u>H.J. Staas</u> ew York Ave., N.W., 7th Floor gton, D.C. 20005 umber of applications and patents involved: <u>1</u> e (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignr Enclosed Authorized to be charged to deposit account. Account No.: 19-3935 (Any underpayment is authorized to be charged if duplicate copy of this page if paying by deposit account) g. No. 22,010

©2001 Staas & Halsey LLP

PATENT REEL: 018486 FRAME: 0664

	·	12 00 -	
	EDHM PTG- 1395	12-05-2005	U.S. DEPARTMENT OF COMMERCE
	To the Director of the U.S. Patent and Trave	- 103130488	ument.
1.	Name of conveying party(ies): Tadashi OKITA Yukio TOYOZAWA Hiroyuki KAWAMURA Satoshi IKAI	OTPE 40 0CT 17 2006 5	s. PTO 336
2.	Name and Address of receiving pa		287. 287.
۷.	Mame and Address of receiving pa	TRADEA	
	FUJITSU LIMITED 1-1, Kamikodanaka 4-chome Nakahara-ku, Kawasaki-shi Kanagawa 211-8588 Japan		
3.	Nature of conveyance: X Assignment Security Agreement Other:	Merger Change of Name	
	Execution Date(s): <u>September 28</u> September 30, 2005; respectively.		September 29, 2005; and
4.	Application number(s) or patent nu This document is being filed to OR		۱.
	 This document is being filed at (a) Patent Application No(s). , (b) Patent No(s). , issued . 	÷	
5.	Name and address of party to who STAAS & HALSEY LLP Attention: <u>H. J. Staas</u> 1201 New York Ave., N.W., Suite Washington, D.C. 20005	Our Docke	ng document should be mailed: t: <u>2392.1028</u>
6.	Total number of applications and p	patents involved: <u>1</u>	
7.	Total fee (37 CFR 3.41) Enclosed Authorized to be charged t		olication in Assignment)
8.	Deposit Account No.: 19-3935 (A Account) (Attach duplicate copy of this page		
	<u>. Staas, Reg. No. 22,010</u> ne of Person Signing	Signature	<u>November 28, 2005</u> Date
/		Total number	of pages including cover sheet: <u>2</u>
			or pages moruling cover sheet. Z
	1:242 00001940 1228 126	DO NOT USE THIS SPACE	

Ì

PATENT REEL: 018486 FRAME: 0665

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

(Inser: Name(s) & Address(es) of ASSIGNEE(S)) FANUC LTD

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, tille and interest to the invention entitled

(Title of Invention)

CONTROLLER

relating to International Patent Application PCT/JP and/or for which application for Letters Patent of the United State executed on even date herewith or, if not so executed, was:					
(a) executed on;	(Insert date of execution of application, if not concurrent)				
(b) filed on, Serial No. / ;	Any Registered Attorney of STAAS & HALSEY LLP, 1201 New York Ave., NW., Suite 700, Washington, DC 20005 (202/434-1500) is hereby authorized to insert in (b) the specified				

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)").

data, when known

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.

(Date)

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

(Typed Name & Signature of Inventor(s))

(Typed Name & Signature of Witness(es))

28. Sep. 2005 akiko Tadashi' Okita Jukio TOXOZA 3) <u>Hiroyuki Kawanuna</u> Hiroyuki KAWAMURA Satoshi Ikau 30 Sep. 2005 Satoshi IKAI

PATENT REEL: 018486 FRAME: 0666

RECORDED: 10/17/2006