James D. Halsey, Jr., Reg. No. 22,729 Name of Person Signing

Signature

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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). (Typed Name & Signature of Inventor(s)) Atsushi WATANABE 1/4/2002 1/4/2002 Harumi OMORI Harumi OMORI Harumi OMORI	Insert Name(s) & Address(es) of ASSIGNEE(S))		•	
Minamitsuru-gun, Yamanashi, 401-0597 Japan Moharis Assignashi, 401-0597 Japan Moharis Assignashi, 401-0597 Japan Minamitsuru-gun, Yamanashi, 401-0597 Japan Moharis Assignashi, 401-0597 Japan Minamitsuru-gun, Yamanashi, 401-0597 Japan Moharis Assignashi, 401-0597 Japan Minamitsuru-gun, Yamanashi, 401-0597 Japan Moharis Assignashi, 401-0597 Japan Moharis Assignashi, 401-0597 Japan Minamitsuru-gun, Yamanashi, 401-0597 Japan Moharis Assignashi Moharis Assignashi Moharis Assignashi Moharis Assignashi Moharis Assignashi Moharis Assignashi Moharis	FANU	C LTD.		
Invertination, "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 invention. ROBOT CONTROLLER ROBOT CONTROLLER	3580, Shibokusa, Az	a-komanba, O	shino-mura,	
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(a) executed on; [Insert date of execution of application, if not concurrent) (b) filed on; [Insert date of execution of application, if not concurrent) (b) filed on; [Insert date of execution of application, if not concurrent) Any registered attorney of STAAS & HALSEY, 700 Eleventh Street, N.W., Washington, D.C. 20001 [202/434-1500] 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) are yet agrented 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, meintaining 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, reaxamination, or public use proceeding, and in any litigation or other legal proceeding Patent(s), in any interference, reissue, reaxamination, or public use proceeding, and in any litigation or other legal proceeding approach of the limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing expidence. 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)) (Typed Nam	nd transfers to ASSIGNEE the entire and exclusive in the continuity of the continuit	ereby acknowledged, the right, title and interest to	e undersigned ASSIGNOR hereby sells, assigns o the invention entitled	
(b) filled on Serial No. Any registered attorney of STAAS & HALSEY, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) Is hereby authorized to insert in (b) the specified data, when known. And to said application and all Letters Patentis) of the United States granted on said application and any continuation, division, enewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patentis) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patentis)". 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 entorcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patenti(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding Patenti(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 evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) effixed his/her/their signature(s). (Typed Name & Signature of Inventor(s)) Atsushi WATANABE 1/4/2002 Harumi OMORI Tetsuaki KATO 1/4/2002 Harumi OMORI Tetsuaki KATO 1/4/2002 Harumi OMORI Harumi OMORI Harumi OMORI Harumi OMORI Harumi OMORI	elating to International Patent Application PCT/JP	/and/or for v t so executed, was:	which application for Letters Patent of the United	
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RECORDED: 04/16/2002

PATENT REEL: 012805 FRAME: 0280