Form <b>PTO-1595</b> (Rev. 0 OMB No. 0651-0027 (ex		08-24-2	2010		IENT OF COMMERCE t and Trademark Office
	p. 03/3 1/2009)				
		103604			
To the Director of			T		
	1. Name of conveying party(ies):			ess of receiving party(	ies)
(03/29/2010), Tosh	Aasayuki Hirata (04/05/2010), Takufumi Yanagisawa 03/29/2010), Toshiki Yoshimine (03/29/2010), and Tetsu Goto 04/05/2010)		Name:	Osaka Univers	ity
(04/05/2010)			Internal Address:	44F	
Additional name(s) of c	Additional name(s) of conveying party(ies) attached? X Yes No				
3. Nature of conveyance/Execution Date(s):			1-1, Yamadaok	а	
Execution Date(s): in parentheses after inventor name			Suita Osaka 565-0871		
X Assignment		Change of Name	JAPAN		
Security Agree	ment Joint Res	earch Agreement	City:		
Government Interest Assignment			State:		
Executive Order 9424, Confirmatory License			Country: Zip:		
Other	Other			) & address(es)	No No
	9,840	ional numbers attached ondence led:	Yes	ng filed together with a n (s) X No f applications and d:	2 3 2010 Blance Floor rds Division
EDWA		ALMER & DODGE	7. Total fee (37 CF	R 1.21(h) & 3.41)	40.00
Street Address: P	O. Box 55874		Enclosed	d to be charged to depor uired (government intere	
City:	Boston		8. Payment Inforn	nation	
State:	MA	Zip: 02205			
Phone Number:		· · · · · · · · · · · · · · · · · · ·			
Fax Number:	(888) 325		Deposit Account	Number 0	4-1105
Email Address:		apdlaw.com	Authorized Us		
9. Signature:					
	und a. Tu	une		CARCHER HRUELENS BE August	ອອນອຸເວ ຢາເເບວ 23, 2010 ໝີຍີ ເຖິ
	David A. Tuc			tal number of pages includ	
	Name of Pers			eet, attachments, and doc	

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)							
Additional Conveying Party(ies)/Execution Date(s) (1. Continued):							
Additional Assignees (2. Continued):							
Assignee Name:	Advanced Telecommunications Research Institute International						
Internal Address:							
Street Address:	2-2-2, Hikaridai Seika-cho Soraku-Gun Kyoto 619-0288; JAPAN						
City:	State:	Country:	Zip:				
Assignee Name:	The University of Tokyo						
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City:	State:	Country:	Zip:				
Assignee Name:							
Internal Address:							
Street Address:							
City:	State:	Country:	Zip:				
Additional Applications and/or Patents (4. Continued):							
Additional Patent Application Numbers 4A. Continued: 4B. Continued;							
Additional numbers attached?							

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Docket No.

## ASSIGNMENT

I/We, (1) Masayuki HIRATA, (2) Takufumi YANAGISAWA, (3) Yukiyasu KAMITANI, (4) Hiroshi YOKOI, (5) Toshiki YOSHIMINE, (6) Tetsu GOTO, (7) Ryohei FUKUMA, (8) Ryu KATO (inventors), for good and valuable consideration from (1) OSAKA UNIVERSITY, (2) Advanced Telecommunications Research Institute International, (3) The University of Tokyo (assignee), having its principal place of business at (1) 1-1, Yamadaoka, Suita-shi, Osaka 565-0871 Japan, (2) 2-2-2, Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0288 Japan, (3) 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 Japan (address) hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States Serial No. \_\_\_\_\_\_\_ filed on

for improvements in the <u>MACHINE CONTROL DEVICE</u>, <u>MACHINE SYSTEM, MACHINE CONTROL METHOD, AND RECORDING</u> <u>MEDIUM STORING MACHINE CONTROL PROGRAM</u> (title) priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, in any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration I/We agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

## PATENT REEL: 024882 FRAME: 0470

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner for Patents to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has (have) the full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants Edwards Angell Palmer & Dodge LLP of P.O. Box 55874, Boston, MA 02205, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark, Office for recordation of this document.

I, Masayuki HIRATA, hereunto set my hand and seal this  $5\pi/2$  day of 2010 M.H.

2010. 4.5 Masayut: Hipoten I, <u>Takufumi YANAGISAWA</u>, hereunto set my hand and seal this <u>></u> day of Takufumi YAINAU.... Morch , 200\_. Zolo T. Y. Zolo J. 29

Talcutumi Yanggisqua

I, Yukiyasu KAMITANI, hereunto set my hand and seal this \_\_\_\_\_ day of , 200 .

I, Hiroshi YOKOI, hereunto set my hand and seal this \_\_\_\_\_ day of , 200 .

I, <u>Toshiki YOSHIMINE</u>, hereunto set my hand and seal this 29 day of <u>Mayon</u>,  $200^{-1}$ . T.Y.  $2010^{-7}$ . Y.  $2010^{-7}$ . Y.  $2010^{-7}$ . Y.

Tartito This

I, <u>Tetsu GOTO</u>, hereunto set my hand and seal this 5 day of Aptrill, 2002 20(0) T.G. 20(0, 4.5)

Totan Goto

I, <u>Ryohei FUKUMA</u>, hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_\_\_.

I, <u>Ryu KATO</u>, hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_\_\_

PATENT REEL: 024882 FRAME: 0472

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**RECORDED: 08/23/2010**