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Form PTO-1595 (Rev. 03-09)
OMB No. 0651-0027 (exp. 03/31/20)U.S. DEPARTMENT OF COMMERCE
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

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Masayuki Hirata (04/05/2010), Takufumi Yanagisawa (03/29/2010),
Toshiki Yoshimine (03/29/2010); Tetsu Goto (04/05/2010)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Osaka University

Internal Address: _____

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1-1, Yamadaoka
Suita-shi, Osaka
565-0871
JAPAN

City: _____

State: _____

Country: _____ Zip: _____

Additional name(s) & address(es) attached? ☒ Yes ☐ No

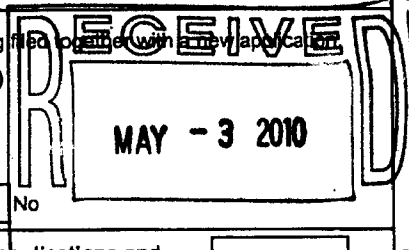
4. Application or patent number(s):

A. Patent Application No.(s)

This application

☒ This document is being filed together with a new application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: David A. Tucker
EDWARDS ANGELL PALMER & DODGE
LLP

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Street Address: P.O. Box 55874

City: BostonState: MA Zip: 02205Phone Number: (617) 517-5508Fax Number: (888) 325-9540Email Address: dtucker@eapdlaw.com6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 04-1105Authorized User Name David A. Tucker

9. Signature:

David A. Tucker
SignatureMay 3, 2010

Date

David A. Tucker - 27,840

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

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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 MACHINE CONTROL DEVICE, MACHINE SYSTEM, MACHINE CONTROL METHOD, AND RECORDING MEDIUM STORING MACHINE CONTROL PROGRAM (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.

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 5th day of

April, ~~200~~ .

2010

M.H.

2010. 4. 5

Masayuki Hirata

I, Takufumi YANAGISAWA, hereunto set my hand and seal this 29 day of

March, ~~200~~ .

2010

T. Y.

2010. 3. 29

Takufumi Yanagisawa

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, Toshiki YOSHIMINE, hereunto set my hand and seal this 29 day of

March, ~~200~~
2010 T.Y.
2010.3.29

Toshiki Yoshimine

I, Tetsu GOTO, hereunto set my hand and seal this 5 day of

April, ~~200~~
2010 T.G.
2010.4.5

Tetsu Goto

I, Ryohei FUKUMA, hereunto set my hand and seal this ____ day of

____, 200__ .

I, Ryu KATO, hereunto set my hand and seal this ____ day of

200__ .

RECORDATION FORM COVER SHEET (PTO-1595)
(supplemental sheet)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Additional Assignees (2. Continued):

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JAPAN

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Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

☐ Yes

☐ No

Table of Contents (Selected Documents)

Date	Code	Pages	Source	Annotation	PackageID
05-10-2010	LET.	3	EFSW		US 1274210201P1