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To the Director of the U.S. Patent a

uments or the new address(es) below.

1. Name of conveying party(ies):
Takao Fukuda

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Execution Date(s): December 19, 2008

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

Name and address of receiving party(ies)

Name: Sharp Kabushiki Kaisha

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22-22 Nagaïke-cho
Abeno-ku, Osaka-shi
Osaka 545-8522
JAPAN

City:

State:

Country: Zip:

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

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)
This application

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

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

Name: William L. Brooks
EDWARDS ANGELL PALMER & DODGE
LLP

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6. Total number of applications and patents involved:

1

7. 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 04-1105
Authorized User Name William L. Brooks

9. Signature:

Signature

January 9, 2009

Date

William L. Brooks - 34,129
Name of Person Signing

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

3

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01 FC:8021 40.00 DA

PATENT
REEL: 022146 FRAME: 0444

ASSIGNMENT

WHEREAS, the following inventor(s) **Takao FUKUDA** (hereinafter referred to as undersigned) has (have) invented certain new and useful improvements in **MULTIFUNCTION MACHINE AND SYNCHRONIZATION SYSTEM** for which an application for Letters Patent of the United States is being filed concurrently herewith (or has been filed on _____, Serial No. _____); and

WHEREAS, **SHARP KABUSHIKI KAISHA** a Japanese Corporation having its principal place of business at **22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan**, its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee(s)) is desirous of acquiring the entire right, title and interest in and to said invention and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum One Dollar (\$1.00), and other good and valuable consideration to the undersigned, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee(s), the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

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(s) 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(s) 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(s) and to vest all rights therein hereby conveyed to said Assignee(s) 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 grant(s) to EDWARDS ANGELL PALMER & DODGE LLP, P.O. Box 55874, Boston, Massachusetts 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 United States Patent and Trademark Office for recordation of this document.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks 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(s), as Assignee(s) of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

IN WITNESS WHEREOF, signed by the undersigned on the date(s) opposite the undersigned names.

Dated Dec. 19, 2008

Signature of Inventor
Name

Takao Fukuda
Takao FUKUDA

Dated _____

Signature of Inventor
Name

Dated _____

Signature of Inventor
Name

Dated _____

Signature of Inventor
Name

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