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1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
Hiroyuki Ishikura Naoki Kodama Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	Name: **Sharp Kabushiki Kaisha** Internal Address: _____ Street Address: 22-22 Nagaike-cho Abeno-Ku Osaka-Shi, Osaka 545-8522 JAPAN

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

Execution Date(s):   April 23, 2007

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

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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:	6. Total number of applications and patents involved:	1

Name: David G. Conlin
EDWARDS ANGELL PALMER & DODGE LLP

Internal Address: Atty. Dkt.: 68348(71117)
Street Address: P.O. Box 55874

7. Total fee (37 CFR 1.21(h) & 3.41) $ 40.00

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

City: _____ Boston _____

State: ____ MA ____ Zip: __ 02205 __

Phone Number: ___ (617) 517-5515 ___

Fax Number: ___ (888) 325-9129 ___

Email Address: ___ DConlin@eapdlaw.com ___

8. Payment Information

a. Credit Card   Last 4 Numbers _____

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b. Deposit Account Number   04-1105

Authorized User Name   David G. Conlin

9. Signature:

(signature)

Signature

Steven M. Jensen - 42,693
Name of Person Signing

May 18, 2007
Date

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

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PATENT
REEL: 019388 FRAME: 0177

ASSIGNMENT

We, Hiroyuki ISHIKURA and Naoki KODAMA, for good and valuable consideration from **Sharp Kabushiki Kaisha, having its principal place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan** 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 **INFORMATION PROCESSING APPARATUS, COMPUTER, INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING METHOD, AND PROGRAM** 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, Hiroyuki ISHIKURA, hereunto set my hand and seal this _23_ day of

_April_____ , 2007.

_____
Hiroyuki ISHIKURA

I, Naoki KODAMA, hereunto set my hand and seal this _23_ day of

_April_____ , 2007.

_____
Naoki KODAMA