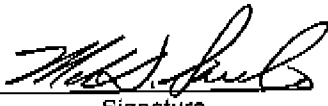


Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office  Docket No. YAMAP0939US
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Andrew Kay Richard Miller  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Sharp Kabushiki Kaisha</u> Internal Address: _____ _____ _____ Street Address: <u>22-22, Nagaike-cho</u> <u>Abeno-ku Osaka 545-8522 Japan</u> City: _____ State: _____ Zip: _____  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: <u>07/05/04, 07/12/04</u>		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>10/506,070</u> B. Patent No.(s) _____ _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Mark D. Saralino</u> Internal Address: _____ _____ <u>Renner, Otto, Boisselle &amp; Sklar, LLP</u> _____ Street Address: <u>1621 Euclid Avenue</u> <u>Nineteenth Floor</u> City: <u>Cleveland</u> State: <u>OH</u> Zip: <u>44115</u>	6. Total number of applications and patents involved: <input type="text" value="1"/> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: _____ <u>18-0988</u>	
DO NOT USE THIS SPACE		
9. Signature.  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <u>Mark D. Saralino</u>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 30%; text-align: right;"> <u>Sept 15, 2004</u>            Date         </div> </div> <div style="text-align: center; margin-top: 10px;">           Total number of pages including cover sheet, attachments, and documents: <input type="text" value="3"/> </div>		

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

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ASSIGNMENT

WHEREAS, the ASSIGNOR(S), being the following named inventor(s):

Andrew KAY;  
99 Hurst Street,  
Oxford OX4 1HA, United Kingdom  
Occupation: Engineer

Richard MILLER;  
18 Lathbury Road,  
Oxford OX2 7AU, United Kingdom  
Occupation: Engineer

are inventor(s) of and owner(s) of rights to a certain invention entitled:

MEMORY CONTROL METHOD, STORAGE APPARATUS,  
CONTROL PROGRAM, AND READABLE STORAGE MEDIUM

for which application for Letters Patent of the United States was executed on the date indicated below, and

WHEREAS, the ASSIGNEE:

SHARP KABUSHIKI KAISHA  
22-22, Nagaike-cho, Abeno-ku  
Osaka 545-8522 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement, charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale.

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or his legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Signed:

Date:

Andrew Kay  
Andrew KAY

5/7/2004

Richard Miller  
Richard MILLER

12/7/2004