### PATENT ASSIGNMENT

**502106282**  
**10/24/2012**

**Electronic Version v1.1**  
**Stylesheet Version v1.1**

#### SUBMISSION TYPE:  
CORRECTIVE ASSIGNMENT

#### NATURE OF CONVEYANCE:
Corrective Assignment to correct the date the declaration was executed on Page 1 of 2 of the assignment previously recorded on Reel 012229 Frame 0408. Assignor(s) hereby confirms the date of the declaration should have been 26th September 2001 instead of 25th September 2000.

#### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheng Teng Hsu</td>
<td>09/26/2001</td>
</tr>
</tbody>
</table>

#### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name:</th>
<th>Sharp Laboratories of America, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>5750 NW Pacific Rim Boulevard</td>
</tr>
<tr>
<td>City:</td>
<td>Camas</td>
</tr>
<tr>
<td>State/Country:</td>
<td>WASHINGTON</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>98607</td>
</tr>
</tbody>
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#### PROPERTY NUMBERS Total: 1

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<th>Property Type</th>
<th>Number</th>
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<tr>
<td>Patent Number</td>
<td>6569745</td>
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#### CORRESPONDENCE DATA

- **Fax Number:** 3608178505  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
- **Phone:** 360 834-8754  
- **Email:** dripma@sharplabs.com  
- **Correspondent Name:** David C. Ripma  
- **Address Line 1:** 5750 NW Pacific Rim Blvd.  
- **Address Line 4:** Camas, WASHINGTON 98607

#### ATTORNEY DOCKET NUMBER:  
SLA0611

#### NAME OF SUBMITTER:  
David C. Ripma

**Total Attachments:** 6

- source=SLA0611_original_assignment#page1.tif  
- source=SLA0611_original_assignment#page2.tif  
- source=SLA0611_original_assignment#page3.tif  
- source=SLA0611_original_assignment#page4.tif  
- source=SLA0611_corrected_assignment#page1.tif  
- source=SLA0611_corrected_assignment#page2.tif

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**PATENT**  
**REEL: 029190 FRAME: 0419**
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
   Sheng Teng Hsu

Additional names(s) of conveying party(ies)  □ Yes  □ No

3. Nature of conveyance:
   □ Assignment  □ Merger
   □ Security Agreement  □ Change of Name
   □ Other

Execution Date: September 26, 2001

4. Application number(s) or registration numbers(s):
   If this document is being filed together with a new application, the execution date of the application is: September 26, 2001

   A. Patent Application No.(s)
   B. Patent No.(s)

   Additional numbers attached?  □ Yes  □ No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Matthew D. Rabdau, Patent Attorney

   Internal Address: Registration No. 43,026
   Sharp Laboratories of America, Inc.

   Street Address: 5750 NW Pacific Rim Boulevard

   City: Camas State: WA ZIP: 98607

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): $ 40.00
   □ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
   □ Authorized to be charged to deposit account

8. Deposit account number:
   19-1457

   To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

   Matthew D. Rabdau, Reg. No. 43,026
   Name of Person Signing
   September 26, 2001
   Signature
   Date

Total number of pages including cover sheet, attachments, and document: 3
ASSIGNMENT

WHEREAS, the undersigned Sheng Teng Hsu, a resident of Camas, WA, (hereinafter termed "inventor") has invented certain new and useful improvements in:

SHARED BIT LINE CROSS-POINT MEMORY ARRAY

and has executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

X On the 26th day of September, 2000,

Or

☐ Said application having been previously filed and assigned Serial Number / , and filing date . 2000.

WHEREAS Sharp Laboratories of America, Inc., a corporation of the State of Washington, (hereinafter termed “Assignee”), having a place of business at 5750 NW Pacific Rim Boulevard, Camas, State of Washington, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed “said invention”), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed “patents”) applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of inventions or other government grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right,
title and interest herein conveyed in the United States and other countries. Such cooperation by said inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, caths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting application for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, said Inventor's heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that said Inventor has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this Assignment on the date given below.

(1) [Signature]

(Linventor's Signature) 09/26/01

(Date)
ASSIGNMENT

WHEREAS, the undersigned Sheng Teng Hsu, a resident of Camas, WA, (hereinafter termed "inventor") has invented certain new and useful improvements in:

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IN WITNESS WHEREOF, the said Inventor has executed and delivered this Assignment on the date given below.

(1) [Signature]

(Inventor's Signature)

09/26/01

(Date)