

PATENT APPLICATION
Attorney Do. No. 8371-166

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Yap-Peng Tan, Wenjun Zeng and Shawmin Lei

Confirmation No.: 2519

Serial No.: 10/765,504

Filed: January 27, 2004

For: **METHOD FOR REMOVING RINGING ARTIFACTS FROM
LOCATIONS NEAR DOMINANT EDGES OF AN IMAGE
RECONSTRUCTED AFTER COMPRESSION**

Mail Stop Assignment Recordation Services
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Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

- 1. Name of parties conveying an interest:
 - (1) Yap-Peng Tan
 - (2) Wenjun Zeng
 - (3) Shawmin Lei

- 2. Name and address of party receiving an interest: Sharp Laboratories of America, Inc.
5750 NW Pacific Rim Boulevard
Camas, Washington 98607

- 3. Description of the interest conveyed:
 Assignment Change of Name Security Agreement Merger
 Other:

- Date of execution of attached document:
 - (1) January 20, 2004
 - (2) January 20, 2004
 - (3) January 19, 2004

- 4. Application number(s) or patent number(s): 10/765,504
 Additional sheet attached? Yes No

If this document is being filed together with a new application, the execution date of the application is:

- (1) January 20, 2004
- (2) January 20, 2004
- (3) January 19, 2004

OP \$40.00 10765504

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

Julie L. Reed
MARGER JOHNSON & McCOLLOM, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205
Telephone: (503) 222-3613

6. Number of applications and patents involved: one
7. PTO Form 2038 authorizing credit card payment of \$40 for the recordal fee.
8. Any deficiency or overpayment should be charged or credited to Deposit Account No. 13-1703.
9. 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.

Dated: July 23, 2004

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.

Julie L. Reed

Julie L. Reed
Registration No. 35,349

Total number of pages comprising
cover sheet and attached assignment: 6

I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office via facsimile number (703) 306-5995 on July 23, 2004.	
Signature	<i>Janet Sullivan</i>
Name	Janet Sullivan

ASSIGNMENT

WHEREAS, the undersigned (1) **Yap-Peng Tan**, a resident of Singapore; (2) **Wenjun Zeng**, a resident of San Diego, California; and (3) **Shawmin Lei**, a resident of Camas, Washington, (hereinafter termed "inventors") have invented certain new and useful improvements in:

METHOD FOR REMOVING RINGING ARTIFACTS FROM LOCATIONS NEAR DOMINANT EDGES OF AN IMAGE RECONSTRUCTED AFTER COMPRESSION

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

- | | |
|---|--|
| X | (1) On the 20 th day of January, 2004 |
| | (2) On the 20 th day of January, 2004 |
| | (3) On the 19 th day of January, 2004 |

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 Inventors to have been received in full from said Assignee:

1. Said Inventors do 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 Inventors hereby covenant and agree 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, oaths, 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 Inventors, said Inventors' heirs, legal representatives and assigns.

4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

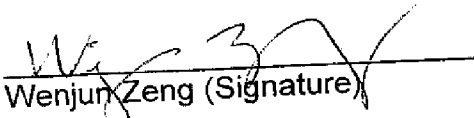
IN WITNESS WHEREOF, the said Inventors have executed said Assignment on the dates given below.



Yap-Peng Tan (Signature)

Jan 20, 2014
(Date)

IN WITNESS WHEREOF, the said Inventors have executed said Assignment on the dates given below.


Wenjun Zeng (Signature)

01/20/2004

(Date)

IN WITNESS WHEREOF, the said Inventors have executed said Assignment on the dates given below.

Shawmin Lei
Shawmin Lei (Signature)

1/19/2004
(Date)