

04-16-2001



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PATENTS ONLY  
Attorney's Do. No. 8371-122

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Shijun Sun, Shawmin Lei

Serial No.: (filed herewith)

Filed: (filed herewith)

For: **ADAPTIVE IMAGE FILTERING BASED ON A DISTANCE TRANSFORM**



Box Assignments  
Commissioner of Patents  
and Trademarks  
Washington, DC 20231

3/29/01

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) Shijun Sun  
(2) Shawmin Lei
2. Name and address of party receiving an interest: Sharp Laboratories of America, Inc.  
5750 N.W. 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) March 28, 2001  
(2) March 28, 2001

4. Application number(s) or patent number(s). Additional sheet attached? Yes ☐ No ☐

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

04/04/2001 MLAKW1 00000041 09823027

03 FC:581

40.00 DP

A. Patent Application No.

March 28, 2001

B. Patent No.

09823027

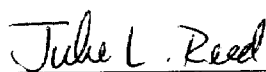
PATENT  
REEL: 011665 FRAME: 0715

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. Enclosed is our check for \$40.00
8. Any deficiency or overpayment should be charged or credited to deposit account number 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: March 29, 2001

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.

  
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Julie L. Reed  
Registration No. 35,349

Total number of pages comprising  
cover sheet and attached assignment: 4

**ASSIGNMENT**

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**Address:** 4522 NW Valley Street  
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**Assignee:** Sharp Laboratories of America, Inc.  
**Address:** 5750 N.W. Pacific Rim Boulevard  
Camas, Washington 98607

**Title of  
Invention:** **ADAPTIVE IMAGE FILTERING BASED ON  
A DISTANCE TRANSFORM**

**U.S. Patent Application:**

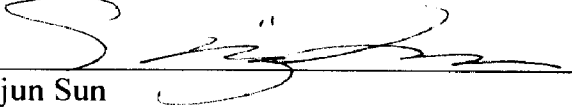
**Application Serial No.:** Not yet known

**Filing Date:** Herewith

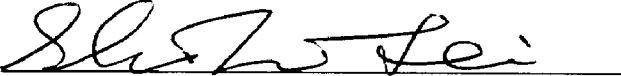
For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Camas, Washington, this 28<sup>th</sup> day of March, 2001.

  
\_\_\_\_\_  
Shijun Sun  
Assignor

Executed at Camas, Washington, this 28<sup>th</sup> day of March, 2001.

  
\_\_\_\_\_  
Shawmin Lei  
Assignor