

RECORD

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To the Director of the U.S. Patents and Trademark

the new address(es) below.

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L.O. 42.5

1. Name of conveying party(ies):

Hao Pan
Petrus J.L. van Beek

Additional name of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Execution Date(s) 9/27/2007; 9/27/2007

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: Sharp Laboratories of America, Inc.

Internal Address: _____

Street Address: 5750 NW Pacific Rim Boulevard

City: Camas

State: WA

Country: USA

Zip: 98607

Additional Name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

10/02/2007 WABDELRI 00000035 11904966

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40.00 OP

Additional numbers attached? Yes No

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

Name: Kevin L. Russell

Internal Address: Chernoff, Vilhauer, McClung & Stenzel

Street Address: 601 SW Second Avenue, Suite 1600

City: Portland

State: OR

Zip: 97204

Phone Number: 503-227-5631

Fax Number: 503-228-4373

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 03-1550

Authorized User Name Chernoff, Vilhauer

9. Signature :

Signature

September 28, 2007
Date

Kevin L. Russell
Name of Person Signing

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

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, the undersigned Hao PAN, a resident of Camas, Washington; and Petrus J.L VAN BEEK, a resident of Camas, Washington, (hereinafter termed "Inventors") have invented certain new and useful improvements in:

IMAGE UPSCALING BASED UPON DIRECTIONAL INTERPOLATION

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

Declaration executed on September 27, 2007

or

Having been previously filed and assigned Serial Number ___ and filing date ___; and

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, Washington 98607, wishes to acquire the entire right, title and interest in and to said application the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (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:



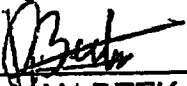
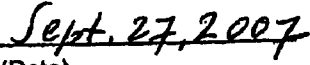
1. Said Inventors hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of inventions or other government grants 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 therefore 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 with this Assignment.

IN WITNESS WHEREOF, the said Inventors have executed this Assignment on the date given below:

(1)	 <hr/> Hao PAN (Signature)	 <hr/> (Date)
(2)	 <hr/> Petrus J.L. VAN BEEK (Signature)	 <hr/> (Date)
