

03-25-2002



HEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Apostolos Voutsas, Yasuhiro Mitani and Mark A. Crowder

03/11/02

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

2. Name and address of receiving party(ies):

Name: **Sharp Laboratories of America, Inc.**

Address: **5750 NW Pacific Rim Boulevard**

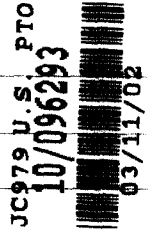
City: **Camas**

State/Prov.: **WA**

Country: **USA**

ZIP: **98607**

Additional name(s) & address(es) Yes No



3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: **March 11, 2002**

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: **March 11, 2002**

Patent Application No. Filing date

B. Patent No.(s)

Additional numbers Yes No

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

Name: **David C. Ripma, Patent Counsel**

Registration No. **27,672**

Address: **Sharp Laboratories of America, Inc.**

5750 NW Pacific Rim Boulevard

City: **Camas** State/Prov.: **WA**

Country: **USA** 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

03/22/2002 TDIAZ1 00000155 191457 10096293

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9. Statement and signature.

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.

David C. Ripma, Reg. No. 27,672

Name of Person Signing

Signature

March 11, 2002

Date

4

Total number of pages including cover sheet, attachments, and

ASSIGNMENT

WHEREAS, the undersigned Apostolos Voutsas, a resident of Vancouver, WA, Yasuhiro Mitiani, a resident of Vancouver, WA, and Mark A. Crowder, a resident of Portland, OR, (hereinafter termed "inventors") have invented certain new and useful improvements in:

SUBSTRATE AND METHOD FOR PRODUCING VARIABLE QUALITY SUBSTRATE MATERIAL

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

On the 11th day of March, 2002;

Or

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

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 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 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 Inventor's 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 Inventor has executed said Assignment on the date given below.

(1) 
(Apostolos Voutsas, Signature)

3/11/02
(Date)

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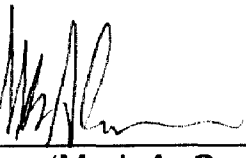
IN WITNESS WHEREOF, the said Inventor has executed said Assignment on the date given below.

(2) 
(Yasuhiro Mitani, Signature)

March, 11, 2002
(Date)

.....

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

(3) 
(Mark A. Crowder, Signature)

3/11/02
(Date)

.....