

03-29-2005

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



102968836

3-24-05

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Thomas W. Stone  
Thomas A. Mitchell

Execution Date(s) March 18, 2005

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

**3. Nature of conveyance:**

- ☒ 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: Wavefront Research, Inc.

Internal Address: \_\_\_\_\_

Street Address: 616 West Broad Street

City: Bethlehem

State: Pennsylvania

Country: U.S.A. Zip: 18018

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

10/987,272 filed November 12, 2004

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Jerry Cohen

Internal Address: Perkins Smith & Cohen LLP

Street Address: One Beacon Street

City: Boston

State: MA Zip: 02108

Phone Number: (617) 854-4000

Fax Number: (617) 854-4040

Email Address: jcohen@pscboston.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ 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 4015

Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

March 22, 2005

Date

Orlando Lopez, Reg. No. 46,880

Name of Person Signing

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

4

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

03/28/2005 6TON11 00000066 10987272

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40.00 DP

**PATENT**  
**REEL: 016391 FRAME: 0858**

## ASSIGNMENT

WHEREAS, we, Thomas W. Stone, a resident of Hellertown, Pennsylvania; and Thomas A. Mitchell, a resident of Nazareth, Pennsylvania (hereinafter referred to collectively as "Assignors"), have jointly made an invention entitled OPTICAL TIME DELAY SYSTEM, which claims priority to U.S. Provisional Patent Application Serial No. 60/519,738 filed on November 12, 2003, and for which an application for a United States Patent was filed on November 12, 2004 and assigned U.S. Patent Application Serial No. 10/987,272.

WHEREAS, Wavefront Research, Inc., a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, having its principal place of business at 616 West Broad Street, Bethlehem, PA 18018 (hereinafter referred to as "Assignee"), is desirous of acquiring right, title and interest in said invention.

NOW, THEREFORE, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors by these presents, do sell, assign and transfer to Assignee, Assignors entire right, title and interest, for the United States of America and its possessions and territories and for all foreign countries, in and to said invention, including all rights of priority created and conferred by any treaty or international convention which is available in connection with said invention, including the right to apply for patent rights, U.S. or foreign, and in any continuations, divisions, substitutes, renewals, reissues or other applications filed in the U.S. or abroad (including multinational filing arrangements of all kinds), and in any U.S. or foreign patents issued on any such applications and reissues, extensions and renewals thereof, to be held and enjoyed by Assignee, for its own use and behalf and for its successors and assigns, to the full ends of the terms or extended terms for which any Letters Patents or the like may be granted, as fully and entirely as the same would have been held by Assignors had this sale, assignment and transfer not been made.

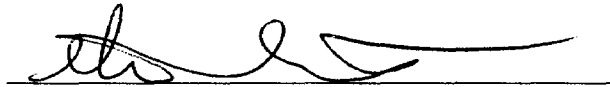
Assignors hereby authorize and request the Commissioner of Patents of the United States, and any official of any country or countries (including multinational filing arrangements of all kinds), whose duty it is to receive and/or examine applications for patents or similar industrial property, issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

Assignors covenant with Assignee, its successors, assigns, and legal representatives that Assignors have full right to convey the entire interest herein assigned, and that Assignors have not executed any agreement in conflict herewith and will not execute any agreement or conveyance in conflict herewith.

Assignors further covenant and agree to communicate to Assignee, its successors, legal representatives and assigns, any facts known to Assignors respecting said invention, and testify in any legal proceeding, sign all lawful papers, including, without limitation,

application papers, assignments, powers of attorney, declarations, and other instruments, execute all divisional, continuing, substitute, reissue, renewal and foreign applications, make all truthful oaths, declarations and statements, and generally do everything reasonably requested of Assignors by Assignee, or its successors or assigns to aid Assignee, its successors or assigns, to obtain, enforce and/or exploit said invention.

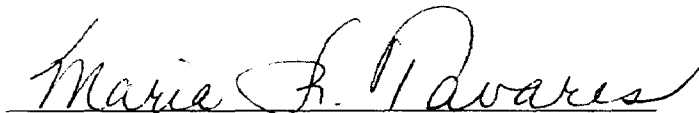
Executed this 18<sup>th</sup> day of MARCH, 2005.



Thomas W. Stone

State of Pennsylvania )  
County of Northampton ) ss.

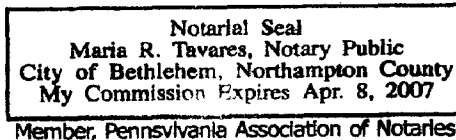
Before me appeared Thomas W. Stone on this 18<sup>th</sup> day of March, 2005, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.




Notary Public

My commission expires April 8, 2007

SEAL

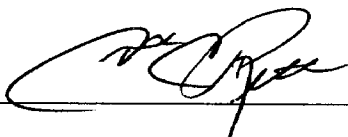


Executed this 18<sup>th</sup> day of March, 2005.

  
Thomas A. Mitchell

State of Pennsylvania )  
County of Lehigh ) ss.

Before me appeared Thomas A. Mitchell on this 18<sup>th</sup> day of MARCH, 2005, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

  
Notary Public  
My commission expires \_\_\_\_\_

SEAL

