

05-23-2001

SUBSTITUTE  
FORM PTO-1595U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101726819

MAD 5-17-01

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

1. Name of conveying party(ies):

WAVEFRONT RESEARCH, INC.

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

3. Nature of conveyance:

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☒ Other Confirmatory License

Execution Date(s): 15 FEBRUARY 2001

☒ This instrument should be recorded on the governmental register in accordance with 37 CFR 7.1(e)(1).

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

Name: UNITED STATES AIR FORCE

Internal Address: AFRL/IFOJ

Street Address: 26 ELECTRONIC PARKWAY

City: ROME

State: NEW YORK Zip: 13441-4514

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

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

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

A. Patent Application No.(s):

09/587,661

60/249,679

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: AFRL/IFOJ

Internal Address:

Street Address: 26 ELECTRONIC PARKWAY

City: ROME

State: NEW YORK ZIP: 13441-4514

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41) .....\$ 0

☐ Enclosed ☒ Not applicable

The instrument to be recorded is not an instrument affecting title (37 CFR 7.1(e)(2) and (j)).

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

JUDITH M. DECKER

Name of person signing

Signature

5/17/01

Date

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

3

PATENT  
REEL: 011817 FRAME: 0258

## CONFIRMATORY INSTRUMENT

Items Marked with an Asterisk (\*) must be Filled in by Contractor

1. NAME OF CONTRACTOR \*

WAVEFRONT RESEARCH, INC.

2. CONTRACT NO. \*

F30602-98-C-0079

3. TITLE OF INVENTION \*

Methods of Reducing the Switching Field In PDLC Transmission Gratings

4. NAME OF INVENTOR (s) \*

John C. Kralik and Michelle S. Malcuit

5. SERIAL NUMBER \*

60/249,679

6. FILING DATE \*

November 17, 2000

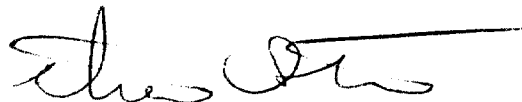
The invention identified above is a "Subject Invention" under the Patent Rights Clause(s) included in Contract No.(s) referenced above with the United States Air Force.

This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, provisional application, patent application, and any resulting patent, and of all other rights acquired by the Government by the referenced clause.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

(SEAL) \*

BY (Signature of Contractor) \*



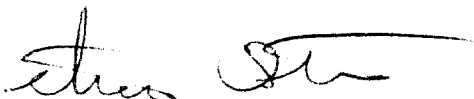
TITLE OF CONTRACTOR \*

Thomas W. Stone  
President  
Wavefront Research, Inc.

EXECUTION DATE \*

16 February 2001

ATTEST \*



BUSINESS ADDRESS \*

Wavefront Research, Inc.  
616 West Broad Street  
Bethlehem, PA 18018  
(Phone: 610-694-9778)

# CONFIRMATORY INSTRUMENT

Items Marked with an Asterisk (\*) must be Filled in by Contractor

1. NAME OF CONTRACTOR \*

WAVEFRONT RESEARCH, INC.

2. CONTRACT NO. \*

F30602-98-C-0079

3. TITLE OF INVENTION \*

Optical Systems Using Switched Mirrors

4. NAME OF INVENTOR (s) \*

Thomas W. Stone

5. SERIAL NUMBER \*

09/587,661

6. FILING DATE \*

June 5, 2000

The invention identified above is a "Subject Invention" under the Patent Rights Clause(s) included in Contract No.(s) referenced above with the United States Air Force.

This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, provisional application, patent application, and any resulting patent, and of all other rights acquired by the Government by the referenced clause.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

(SEAL) \*

BY (Signature of Contractor) \*



TITLE OF CONTRACTOR \*

Thomas W. Stone  
President  
Wavefront Research, Inc.

EXECUTION DATE \*

15 February 2001

ATTEST \*



BUSINESS ADDRESS \*

Wavefront Research, Inc.  
616 West Broad Street  
Bethlehem, PA 18018  
(Phone: 610-694-9778)