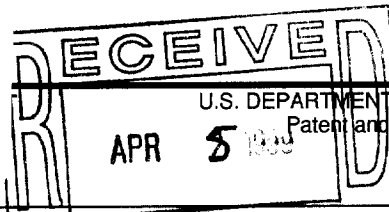


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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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): 26 MARCH 1999☒ 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 FORCEInternal Address: AFRL/IFOJStreet Address: 26 ELECTRONIC PARKWAYCity: ROMEState: NEW YORK Zip: 13441-4514Additional 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):

640,187

B. Patent No.(s):

5,692,077Additional numbers attached? ☐ Yes ☒ No

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

Name: HAROLD L. BURSTYNInternal Address: AFRL/IFOJStreet Address: 26 ELECTRONIC PARKWAYCity: ROMEState: NEW YORK ZIP: 13441-4514

6. Total number of applications and patents involved:

17. 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:

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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.

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Name of person signingJudith M. Decker
Signature3/30/99
Date

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

2PATENT
REEL: 9875 FRAME: 0308

me1204-05-99

CONFIRMATORY LICENSE

Application for: Optical Time Shifter and Routing System

Inventor(s): Thomas W. Stone and Michelle S. Malcuit

Serial Number: U.S. Patent No. 5,692,077

Filed: April 30, 1996

Contract No.: F30602-94-C-0151, F30602-95-C-0238

Contractor: Wavefront Research, Inc.

The invention identified above is a "Subject Invention" under 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified contract award with the United States Air Force.

1. The nonexclusive, nontransferable, irrevocable, paid-up license granted to the Federal Government in the invention described in the patent application in any and all divisions, continuations, and continuations-in-part, and in any and all patents and re-issues granted thereon, and of all other rights acquired by the Government by the referenced clause.

2. All other rights acquired by the Government by reason of the above-identified contract award and the laws and regulations which are applicable to the award.

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

Signed this 26th day of MARCH, 1999.

Wavefront Research, Inc.

Attested:



Thomas W. Stone—Secretary

By



Thomas W. Stone

President—Wavefront Research, Inc.