

03-17-2009

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**1. Name of conveying party(ies)**

California Institute of Technology

F49620-03-1-0418

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 4 MARCH 2009

☐ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☒ Executive Order 9424, Confirmatory License

☐ Other

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

Name: UNITED STATES AIR FORCE

Internal Address: AFOSR/PK

Street Address: 875 N. RANDOLPH STREET

SUITE 325, RM 3112

City: ARLINGTON

State: VA

Country: USA Zip: 22203

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)

11/777,904

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: UNITED STATES AIR FORCE

Internal Address: AFOSR/PK

Street Address: 875 N. RANDOLPH STREET

City: ARLINGTON

State: VA Zip: 22203

Phone Number: 703-696-7295

Fax Number: 703-696-9733

Email Address: geraldine.wilson@afosr.af.mil

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

**7. Total fee (37 CFR 1.21(h) & 3.41) \$0**

☐ 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 \_\_\_\_\_  
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**9. Signature:**

*Geraldine Wilson*  
Signature

9 March 2009  
Date

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

## License to the United States Government

Invention Title: Electrically Pumped Low-Threshold Ultra-Small Photonic Crystal Lasers

Inventors: Axel Scherer

Patent Application Serial No: 11/777,904

US Filing/Issue Date: 7/13/2007

Grant/Contract Identification No: F49620-03-1-0418

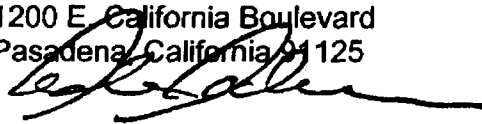
Foreign Applications filed/intended in (countries):

The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract award from the Air Force (AFOSR). This document is confirmatory of:

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

California Institute of Technology  
1200 E. California Boulevard  
Pasadena, California 91125



Dated: March 4, 2009

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Adam Cochran  
The Intellectual Property Counsel

CIT File No: 4688