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Form **PTO-1595** REC U.S. DEPARTMENT OF COMMERCE (Rev. 03/01) U.S. Patent and Trademark Office OMB No. 0651-0027 (exp. 5/31/2002) 102026890 Tab settings ⇔⇔ ♥ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Name: Kathy Bayer 3-5-02 Internal Address: Code GP California Institute of Technology Office of the Associate General Counsel Additional name(s) of conveying party(ies) attached? Yes V No 3. Nature of conveyance: (Intellectual Property) ___ Assignment Merger Street Address: 300 "E" Street, SW Security Agreement Change of Name Other___Confirmatory License City: Washington State: DC Zip: 20546 11/05/01 Execution Date: Additional name(s) & address(es) attached? Yes V 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) 09/925,713 B. Patent No.(s) Additional numbers attached? Yes 🔽 No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$_0 Name:__ Kathy Bayer Enclosed Code GP Internal Address:_____ Authorized to be charged to deposit account Office of the Associate General Counsel (Intellectual Property) 8. Deposit account number: Street Address:__ 300 "E" Street, SW City: Washington State: DC Zip: 20546 DO NOT USE THIS SPACE 9. Signature. 02/20/02 Kathy Bayer Date Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 02

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License to the Government

In accordance with a contract set forth below between the Government of the United States of America, as represented by the Administrator of the National Aeronautics and Space Administration (NASA) and the below-named Contractor, the invention cited below is a SUBJECT INVENTION made in the performance of work under the contract and the ____ Contractor has elected to retain title to the SUBJECT INVENTION; or ____ the Contractor has elected not to retain title to the SUBJECT INVENTION; and NASA, after consultation with the Contractor, has granted the request for retention of rights by the Inventor, and employee of the Contractor, subject to the provisions of 35 U.S.C. § 202(d) and FAR 52.227-11, Patent Rights-Retention by the Contractor, but subject to a license to the Government, as described below.

NOW THEREFORE, pursuant to the terms and conditions of the contract, the Contractor/Inventor does hereby grant to the Government of the United States a non-exclusive, non-transferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States this SUBJECT INVENTION and any patents which may issue thereon throughout the world. At this time at least the following U.S. patent application has been filed on the SUBJECT INVENTION.

Title: Optical Sensing Based On Whispering-Gallery-Mode Microcavity

Patent Application Serial No.: 09/925,713 Filed: 8/8/2001	Contractor: California Institute of Technology
	Contractor Case No.: 3268 NASA Case No.: NPO 21061 & NPO 21239 Contract No.: NAS7-1407

Inventor(s): Vladimir S. Iltchenko; Lutfollah Maleki

The Contractor/Inventor agrees to conclude, within the specification of any Unites States patent applications and any patents issuing thereon covering this SUBJECT INVENTION, the following statement as in FAR 52.227-11(f)(4):

This invention was made with Government support under contract NAS7-1407 awarded by NASA. The Government has certain rights in this invention.

The Contractor/Inventor further agrees to notify the NASA of any decision not to continue prosecution of the application(s), pay maintenance fees, or defend in a reexamination or opposition proceeding on a patent, in any country, not less than thirty days before the expiration period required by the U.S. Patent and Trademark Office.

Title to this Invention is subject to March-In-Rights by the NASA as stated in 35 U.S.C. § 203 and FAR 52.227-11(j).

The Contractor/Inventor shall furnish a copy of the patent application cited above and a listing of each country in which applications have been and are filed. Whenever a patent issues on the SUBJECT INVENTION, the patent number, the issue date, and the country shall be made known to the Government as soon as it is available to the Contractor/Inventor.

Adam Cochran

The Intellectual Property Counsel

(Typed name and title of Corporate Officer)

RECORDED: 03/05/2002

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November 5, 2001

(Signature and date)

PATENT REEL: 012685 FRAME: 0538