


National Aeronautics and
Space Administration
Jet Propulsion Laboratory
NASA Management Office
4800 Oak Grove Drive
Pasadena, CA 91109-8099

01-13-2004

102643808




PATENT APPLICATION

Reply to Attn of:

SJ

**Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450**

Sir:

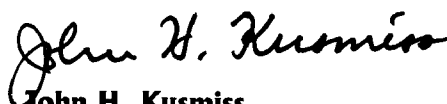
22141 U.S. PTO
10/750574

120903

Please record the attached original document or copy thereof.

- (1) Conveying party: Gregory Bearman and David Cohen**
- (2) Receiving party: California Institute of Technology
1201 East California Blvd., Pasadena, California 91125**
- (3) Nature of conveyance: Assignment**
- (4) Application No.: NPO-30807-1-CU/with New Patent Application
Execution Date: November 19, 2003**
- (5) Return recorded document to: John H. Kusmiss
NASA Management Office, M/S 180-200
Jet Propulsion Laboratory, 4800 Oak Grove Drive,
Pasadena, CA 91109**
- (6) Total number of applications involved: One**
- (7) Total fee (37 CFR 3.41): \$40**
- (8) Charge to: Deposit Account No. 14-0116**
- (9) 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. The cover sheet consists of one page.**

Total number of pages including cover sheet, attachments and documents: 2

Respectfully,



**John H. Kusmiss
Patent Attorney
Registration No. 32,149
(818) 354-7770**

**Enclosure:
Assignment**

01/12/2004 DBYRNE / 00000079 140116 10750574
01 FC:8021 / 40.00 DA

**PATENT
REEL: 014864 FRAME: 0562**

ASSIGNMENT

Gregory Bearman and David Cohen

the ASSIGNOR(S) herein, and the inventor(s) of a new or improved and useful RING-INTERFEROMETRIC SOL-GEL
BIO-SENSOR

(JPL Docket No. 30807 - CIT No. _____), desiring to acquire patent protection therefor and for their existing improvement(s) therein, if any, (referred to hereinafter as the INVENTION), have executed ☒ concurrently herewith () previously an application for Letters Patent of the United States of America (Serial No.: _____, Filing Date: _____, if applicable).

The California Institute of Technology, the ASSIGNEE herein, a corporation organized and existing under the laws of the State of California, and having a place of business at Pasadena, California, desires to acquire the entire right, title and interest in the INVENTION, and all patent application(s) filed or pending, and Letters Patent granted and issued on the INVENTION.

NOW, THEREFORE, for valuable consideration, the receipt and legal sufficiency of which is acknowledged, the ASSIGNOR(S) hereby assign, transfer, and set over to the ASSIGNEE, its successors and assigns, the entire right, title and interest in the INVENTION and the aforementioned application for Letters Patent, together with any other application(s), including divisional, continuing and continuations-in-part application(s) of the ASSIGNOR(S) pertaining to or based upon the INVENTION, and any and all Letters Patent which have been or may be granted and issued thereon by the United States of America or foreign countries, together with and including all priority rights deriving from applications subject to this Assignment filed in the United States of America; and

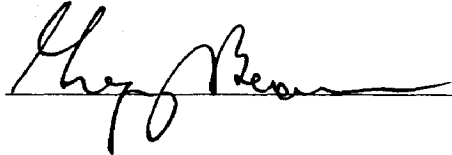
The ASSIGNOR(S) hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent in any and all countries foreign to the United States in which applications for Letters Patent, or like protection, for the INVENTION, may be filed; and

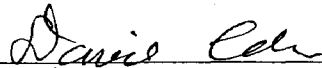
The ASSIGNOR(S) agree, at the request of the ASSIGNEE, to execute any and all domestic and foreign applications for Letters Patent, to execute all other papers and documents and to perform all lawful acts that the requestor may deem necessary or desirable to obtain Letters Patent, to secure the grant of such Letters Patent and to protect and vest in the ASSIGNEE, or its successors or assigns, the entire right, title and interest in the INVENTION.

WITNESS my/our hand(s) at Pasadena, California this 19th day of November 20 03.

Gregory Bearman

David Cohen



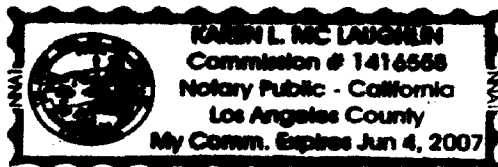


State of CALIFORNIA)
County of LOS ANGELES)

On November 19, 2003 before me, Karen L. McLaughlin, Notary Public,

personally appeared Gregory Bearman and David Cohen

☐ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) was subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Karen L. McLaughlin
Notary Public

(SEAL)