FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

12-07-2004

U.S. Department of Commerce **Patent and Trademark Office PATENT**

102896246

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PATENT

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Correspondent Name and Address	Area Code and Telephone Number	630/252-2042	
Name Robert J. Fisher			
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PATENT REEL: 016038 FRAME: 0217

CONFIRMATORY LICENSE

(Nonprofit Organizations or Small Business Firms)

Title : Fiber Grating Environmental Sensing System

Inventor(s) : Whitten Lee Schulz, and Eric Udd

Serial No. : 09/746,037 Filing Date: December 22, 2000

Patent No. : 6,600,149 Issued: July 29, 2003

Contractor : Blue Road Research

RECORDED: 12/02/2004

Contract No. : **DE-FG03-99ER82753**

Doe Case No. : S-95,291

Patent Rights Clause No.: DEAR 952.227-11 - Patent Rights-Retention by Contractor

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):

The subcontractor, having the right to retain title to Subject Inventions as a result of Public Law 96-517, has reported the above-identified invention as a Subject Invention to DOE with its election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide, license to practice or to have practiced for or on behalf of the United States, required by the Public Law and the above-identified contract, in this subject invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, throughout the world and of all other rights acquired by the Government by the above-identified patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Subcontractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

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

(SEAL)

Signed this 7th day of September, 2004

Evil Udd Blue Road Research

(Contractor)

Vile President - Technology

(Contractor's Official and Title)

316 NE 219th Aug Greshem, of 97030

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PATENT REEL: 016038 FRAME: 0218