

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

12-22-1999

U.S. Department of Commerce
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Assignment Security Agreement

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Mail documents to be recorded with required cover sheet(s) information to:
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PATENT

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Patent Application Number(s)			Patent Number(s)		
<input type="text" value="09069136"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

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Enter PCT application number PCT PCT

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Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

Statement and Signature

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. Charges to deposit account are authorized, as indicated herein.

Kathy Bayer 12/03/99

Name of Person Signing Signature Date

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 Agreement; and the Contractor has elected to retain title to the Subject Invention.

NOW THEREFORE, pursuant to the terms and conditions of the Agreement, the Contractor 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, patent application and any and all divisions or continuations, and any resulting patent or reissues which may be granted thereon, throughout the world for which the Contractor has elected to retain title:

Serial No.: 09/069,136
Filed: 4/29/98
Contractor: Case Western Reserve University
NASA No. NAG3-1741
Agreement No: NAG3-1741
Contractor No.: 3422965
Inventor(s): Chung-Chiun Liu; Robert Savinell; Zhi-Hong Jin
Title: Nano-Crystalline Porous Tin Oxide Film for Carbon Monoxide Sensing

The Contractor agrees to include, within the specification of any United States patent application and patent issuing thereon covering this Subject Invention, the following statement as in 9.108-5(f)(4):

"This invention was made with Government support under Agreement No. awarded by NASA. The Government has certain rights in this invention."

The Contractor further agrees to notify NASA of any decision not to continue prosecution of the patent application, 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 of the response period required by the U.S. Patent and Trademark Office.

Title to this invention is subject to the March-in-Rights by the NASA as stated in 35 U.S.C. §203.

The Government hereby requests that the Contractor furnish a copy of the patent application cited above and a listing of each country in which applications were filed. In the event a patent(s) on the application(s), the patent number(s), the issue date(s), and the country be made known to Government as soon as it is available to the Contractor.

Dr. Richard A. Zdanis
Provost and University Vice President

Signature Richard A. Zdanis Date 12/4/98