

04/06/00

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

04-28-2000

U.S. Department of Commerce  
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101338630

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**Patent Application Number(s)**

**Patent Number(s)**

|   |                      |                      |                      |                      |                      |                      |
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| <input type="text" value="09/366,823"/> | <input type="text"/> | <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

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Apr 6 2000  
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# CONFIRMATORY LICENSE

(Nonprofit Organizations or Small Business Firms)

Title : *Ceramic Membranes for Catalytic Membrane Reactors with High Ionic Conductivities and Low Expansion Properties*

Inventor(s) : *Richard Mackay, and Anthony F. Sammells*

Serial No : *09/366/823* Filing Date: *August 4, 1999*

Contractor : *Eltron Research, Inc.*

DOE Contract No.: *DE-FG02-94ER81750*

DOE Case No. : *S-94,928*

Patent Rights Clause No.: *DEAR 952.227-11*

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

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The Contractor, 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 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 Contractor, 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.

Signed this 4th day of February, ~~19~~ 2000.

(SEAL)

*Eileen E. Sammells*  
*Eltron Research, Inc.*

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