PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	10/20/2010

RECEIVING PARTY DATA

Name:	U.S. Department of Energy	
Street Address:	1000 Independence Ave., SW	
City:	Washington	
State/Country:	DISTRICT OF COLUMBIA	
Postal Code:	20585	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12856527

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Brenda K. Banks

Total Attachments: 1

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PATENT REEL: 025453 FRAME: 0533

CONFIRMATORY LICENSE

Title: Method of Fabricating A Scalable Nonoporous Membrane Filter Inventor(s): Joseph W. Tringe, Rodney L. Balhorn, Saleem Zaidi

DOE Docket No.: S - 106 850 Docket No./Sub: IL-11513/A

Contract Number: DE-AC52-07NA27344 U.S. Patent Application S.N.: 12/856527

Contractor: Lawrence Livermore National Security, LLC Filing Date: 08/13/10
Lawrence Livermore National Laboratory Waiver No.: W(C) 92-002

Foreign patent applications filed or intended to be filed at contractor's expense in (countries):

The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated <u>June 15, 1999</u>.

WHEREAS, the above-identified invention is a subject invention under the above-identified contract;

WHEREAS, the above-identified Class Waiver of Government rights in certain identified inventions and the above-identified contract provides the Contractor with the right to elect to retain title in certain subject inventions and the Contractor has elected to retain title in the above-identified subject invention, EXCEPT FOR a paid-up license under the above-identified contract and the above-identified waiver.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up-license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.

It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

By:

Signed on behalf of: LAWRENCE LIVERMORE NATIONAL SE

Marcos Garcia, Patent Administrator

(Contractor)

10/20/2010

Mark H. Lough, Deputy General Counsel Lawrence Livermore National Laboratory

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Livermore, CA 94551-0808

PATENT REEL: 025453 FRAME: 0534

RECORDED: 12/09/2010