

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT6197443

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CONFIRMATORY LICENSE (SEE DOCUMENT FOR DETAILS)
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	10/01/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	U.S. DEPARTMENT OF ENERGY
<b>Street Address:</b>	1000 INDEPENDENCE AVE., SW
<b>City:</b>	WASHINGTON
<b>State/Country:</b>	D.C.
<b>Postal Code:</b>	20585
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16113318
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	IL-13040B
<b>NAME OF SUBMITTER:</b>	CATHERINE CHUNG
<b>SIGNATURE:</b>	/Catherine Chung/
<b>DATE SIGNED:</b>	07/13/2020
<b>Total Attachments: 1</b>	
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CONFIRMATORY LICENSE

Title: Cryogenic Pressurized Storage with Hump-Reinforcement Vacuum Jacket

Inventor(s): Salvador Aceves, Francisco Espinosa-Loza, Guillaume Petitpas, Vernon A. Switzer, Elias Ledesma-Orozco, Victor Alfonso Alcantar Camarena

DOE Docket No.: S151477 Contract Number: DE-AC52-07NA27344 Contractor: Lawrence Livermore National Security, LLC Lawrence Livermore National Laboratory Docket No./Sub: IL-13040/B U.S. Patent Application S.N.: 16/113318 Filing Date: 08/27/18 Waiver No.: W(C) 08-001

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

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.

Signed on behalf of: LAWRENCE LIVERMORE NATIONAL SECURITY, LLC

Witness: Melissa Graycar, Administrator

By: Mark H. Lough, Deputy General Counsel Lawrence Livermore National Laboratory P.O. Box 808, L-701 Livermore, CA 94551-0808 Date: 10/1/18

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