506707853 06/10/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6754672

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CONFIRMATORY LICENSE (SEE DOCUMENT FOR DETAILS)

CONVEYING PARTY DATA

Name	Execution Date
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	06/09/2021

RECEIVING PARTY DATA

Name:	U.S. DEPARTMENT OF ENERGY	
Street Address:	1000 INDEPENDENCE AVE., SW	
City:	WASHINGTON	
State/Country:	D.C.	
Postal Code:	20585	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17307833

CORRESPONDENCE DATA

Fax Number: (905)423-8259

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.

Phone: 9254220112 Email: disney2@Ilnl.gov

Correspondent Name: LAWRENCE LIVERMORE NATIONAL LABORATORY

Address Line 1: 7000 EAST AVENUE Address Line 2: P.O. BOX 808, L-703

Address Line 4: LIVERMORE, CALIFORNIA 94550

ATTORNEY DOCKET NUMBER:	IL-13629O1
NAME OF SUBMITTER:	PAM DISNEY
SIGNATURE:	/PAM DISNEY/
DATE SIGNED:	06/10/2021

Total Attachments: 1

source=IL-13629O1 Confirmatory License-JT#page1.tif

PATENT REEL: 056539 FRAME: 0937 506707853

Confirmatory License

Title: HIGH RESOLUTION AND HIGH FLEXIBILITY FIBER OPTICAL CABLES AND MICROFABRICATION METHODS FOR MAKING SAME

Inventor(s): Komal Kampasi, Razi-UI Muhammad Haque and Michael Gregory Triplett

DOE Docket No.: S-167,512

Contract Number: DE-AC52-07NA27344

Contractor: Lawrence Livermore National Security, LLC

Lawrence Livermore National Laboratory

Docket No./Sub: IL-13629/O1

U.S. Patent Application S.N.: 17/307833

Filing Date: May 4, 2021 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

(Contractor)

Pamela Ann Digitally signed by Pamela Ann Disney

Witness: Disney Date: 2021.06.10 07:56:28 -07'00'

Pamela A. Disney, Patent Assistant

James S. Digitally signed by James S. Tak
Date: 2021.06.09
16:33:47-07'00'

James S. Tak, Patent Counsel Lawrence Livermore National Laboratory P.O. Box 808, L-701 Livermore, CA 94551-0808

PATENT
RECORDED: 06/10/2021 REEL: 056539 FRAME: 0938