

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5124701

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
CONVEYING PARTY DATA	
Name	Execution Date
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	01/26/2018
RECEIVING PARTY DATA	
Name:	UNITED STATES DEPARTMENT OF ENERGY
Street Address:	1000 INDEPENDENCE AVE. S.W.
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20585
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15829022
CORRESPONDENCE DATA	
Fax Number:	(630)252-2779
<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>	
Phone:	(630) 252-2137
Email:	Confirmatory.License@science.doe.gov
Correspondent Name:	TIMOTHY L HARNEY
Address Line 1:	9800 S. CASS AVE
Address Line 2:	IPLD
Address Line 4:	ARGONNE, ILLINOIS 60439
ATTORNEY DOCKET NUMBER:	15-829022 CAR
NAME OF SUBMITTER:	CYNTHIA RIDGE
SIGNATURE:	/CYNTHIA RIDGE/
DATE SIGNED:	09/05/2018
Total Attachments: 1	
source=15-829022 License#page1.tif	

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: Frequency-Based Approach to Detecting Chemical Expansion Dynamics in Thin

Films

Inventor(s): Harry L. Tuller, Krystyn J. Van Vliet, Sean R. Bishop, Jessica G. Swallow, James
F. Smith, Jae Jin Kim

U.S. Filing/Issue Date: 12/01/2017

Patent or Application Serial No.: 15/829,022

Grant/Contract Number(s): DE-SC0002633

Foreign Applications filed/intended in (countries): _____

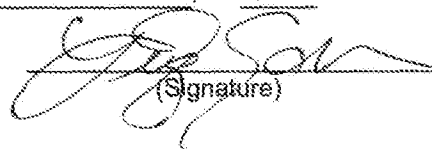
The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 26th day of January, 20 18.

By Leigh Edwards
(Institutional Business Official)


(Signature)

Title Patent Compliance Administrator

For MASSACHUSETTS INSTITUTE OF TECHNOLOGY
(Grantee/Contractor Organization)

At 255 Main Street NE18-501 Cambridge, MA 02142
(Business Address)