PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVE XUNHU DAI	11/30/2015
MARK A. RODRIGUEZ	11/30/2015
NATHANAEL L. LYON	11/30/2015

RECEIVING PARTY DATA

Name:	Sandia Corporation	
Street Address:	P.O. Box 5800, MS-0161	
Internal Address:	Legal Technology Transfer Center	
City:	Albuquerque	
State/Country:	NEW MEXICO	
Postal Code:	87185	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15701893

CORRESPONDENCE DATA

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Correspondent Name: SANDIA NATIONAL LABORATORIES

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ATTORNEY DOCKET NUMBER:	SD13230.1
NAME OF SUBMITTER:	NAJAT MISHALANIE
SIGNATURE:	/Najat Mishalanie/
DATE SIGNED:	05/03/2018

Total Attachments: 5

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PATENT REEL: 045707 FRAME: 0315 504898151

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PATENT REEL: 045707 FRAME: 0316

ASSIGNMENT

WHEREAS, Steve Xunhu Dai, Mark A. Rodriguez and Nathanael L. Lyon of Albuquerque, New Mexico (hereinafter "Inventor(s)") has(have) made an invention relating to ENGINEERED HIGH EXPANSION GLASS-CERAMICS HAVING NEAR LINEAR THERMAL STRAIN AND METHODS THEREOF in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in Application Serial No. 14/834,616 for United States patent, filed August 25, 2015 and identified as DOE Docket No: S-132999 duly executed by said inventor(s); and

WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) assigned to Sandia Corporation, its successors and assigns, all of Inventor(s) rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

WHEREAS, title to the above-identified invention vests in the Government of the United States, as represented by the U.S. Department of Energy, as governed by 42 U.S.C. 5908; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation; and

THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation their entire right, title, and interest in and to said invention in the United States of America and all foreign countries, including, without limitation, said invention as described in the aforesaid application, and in and to any United States Letters Patent therefor, when issued together with all improvements thereon and betterments thereof, all related applications including, but not limited to, utilities, divisions, continuations, continuations-in-part, reissues and reexaminations thereof and substitutions of or for said application, and all foreign rights including the right to make application for Letters Patent for said invention in any and all foreign countries and the right to claim priority as to the filing date under the International Convention on the basis for the aforesaid application for United States Letters Patent, to the extent that Inventor(s) right, title, and interest in and to said invention has(have) not already been sold, assigned, or transferred to Sandia Corporation by Inventor(s) in consideration of Inventor(s) employment by Sandia Corporation. Inventor(s) hereby authorizes and requests the Commissioner of Patents to issue all Letters Patent issuing therefrom to Sandia Corporation, for its interest as Sandia Corporation, its successors and assigns.

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Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. Inventor(s) agrees, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all U.S. and foreign applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

Signed at Albuquerque, New Mexico.

Steve Xunhu Dai

Nov 30, 2015

Date

STATE OF NEW MEXICO

) ss:

COUNTY OF BERNALILLO)

On the above dates, personally appeared before me, Diana Schanning, Notary Public, Steve Xunhu Dai, to me known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.

Notary Public

OFFICIAL SEAL

Diana Schanning

NOTARY PUBLIC

STATE OF NEW MEXICO

My Commission Expires:

Signed at Albuquerque, New Mexico.

Mark A. Rodriguez

11/50/2015

STATE OF NEW MEXICO

) ss:

COUNTY OF BERNALILLO)

On the above dates, personally appeared before me, Diana Schanning, Notary Public, Mark A. Rodriguez to me known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.

OFFICIAL SEAL Diana Schanning

Signed at Albuquerque, New Mexico.

Nathanael L. Lyon

Date

STATE OF NEW MEXICO

) ss:

COUNTY OF BERNALILLO)

On the above dates, personally appeared before me, Diana Schanning, Notary Public, **Nathanael L. Lyon** to me known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.

Notary Public



Approved and consented by:

SANDIA CORPORATION

Kerry Kampschmidt

Sr. Managing IP Counsel

Legal Technology Transfer Center

STATE OF NEW MEXICO)

) ss:

COUNTY OF BERNALILLO)

On the above date, personally appeared before me, Diana Schanning, Notary Public, Kerry Kampschmidt, to me known to be the individual described in and who executed the foregoing instrument, and who acknowledged to me that he executed the same.

Notary Public

OFFICIAL SEAL

Diana Schanning

NOTARY PUBLIC

STATE OF NEW MEXICO

24 Constitution Expenses: 124/2018