PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
ARIZONA STATE UNIVERSITY - TEMPE CAMPUS	02/03/2020

RECEIVING PARTY DATA

Name:	NATIONAL SCIENCE FOUNDATION	
Street Address:	2415 EISENHOWER AVENUE	
Internal Address:	SUITE 18000	
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State/Country:	VIRGINIA	
Postal Code:	22314	

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	8545627

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NAME OF SUBMITTER:	HEATHER CLARK	
SIGNATURE:	/Heather Clark/	
DATE SIGNED: 02/03/2020		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 1

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PATENT REEL: 051701 FRAME: 0989

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License to the United States Government

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Zirconium and Hafnium Boride Alloy Templates on Silicon for Nitride Integration Applications

Inventor(s): John Kouvetakis, Radek Roucka

U.S. Filing/Issue Date: 10/01/2013

Patent or Application Serial No: 8545327

Grant/Contract Number(s): 0221993, 0438400

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. As required by 37 CFR 401.14 (f) (2) and Executive Order 9424:

This invention was made with government support under Grant/Contract Number(s) 0221993, 0438400 awarded by the National Science Foundation. The government has certain rights in the invention.

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 22th day of January 2020

By: Heather Clark

Institutional Business Official Printed Name and Title

Signature: # llank

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For: <u>Arizona State University – Tempe Campus</u>

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PATENT REEL: 051701 FRAME: 0990