507875089 04/26/2023

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7922219

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

CONVEYING PARTY DATA

Name	Execution Date
INTEL FEDERAL, LLC	01/04/2023

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY	
Street Address:	reet Address: 1000 INDEPENDENCE AVE. S.W.	
City:	City: WASHINGTON	
State/Country:	D.C.	
Postal Code:	20585	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17133279	

CORRESPONDENCE DATA

Fax Number: (630)252-2779

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: (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: LEMONT, ILLINOIS 60439

ATTORNEY DOCKET NUMBER:	17-133279 CAR
NAME OF SUBMITTER:	CYNTHIA RIDGE
SIGNATURE:	/S/CYNTHIA RIDGE
DATE SIGNED:	04/26/2023

Total Attachments: 1

source=17-133279 License#page1.tif

PATENT REEL: 063457 FRAME: 0624

507875089

Patent Docket Number: 21-0002-01 Invention Report Number: 10034528-21-0002

License to the United States Government

Generated on 01/04/2023 with iEdison

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

Title of Invention: METHODS AND APPARATUS TO REDUCE THERMAL FLUCTUATIONS IN SEMICONDUCTOR

<u>PROCESSORS</u>						
Inventor(s): Rodrigo Vivi, Phani Kumar Kandula, Rodrigo De Oliveira Vivi, John Kelbert, Davi						
Lombard, Eric Moret, Mark Luckeroth, Brad Bittel, Phani Kumar Kandula						
U.S. Filing/Issue Date: 12/23/2020						
Patent or Application Serial No.: 17/133,279						
Grant/Contract Number(s): DE-AC02-06CH11357						
Foreign Applications filed/intended in (countries): JAPAN, CHINA, European Patent Organization						

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:

- 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.

Sign	ed this 4 January	y .	, 20 23 .
Ву	Erin Sorensen (Institutional Business Official)	Erin Sorensen (Signature)	
Title	Intellectual Property Center of Excellence		
For	INTEL FEDERAL, LLC (Grantee/Contractor Organization)		
At	4100 Monument Corner Drive Suite 540		
	(Business Address)		
	Fairfax, VA 22030		
	(City/State/Zipcode)		

PATENT REEL: 063457 FRAME: 0625

RECORDED: 04/26/2023