# 505361019 03/06/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5407807

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
DONALD YEUNG	10/04/2018
BRUCE JACOB	10/06/2018

# **RECEIVING PARTY DATA**

Name:	UNIVERSITY OF MARYLAND, COLLEGE PARK	
Street Address:	7999 REGENTS DRIVE	
City:	COLLEGE PARK	
State/Country:	MARYLAND	
Postal Code:	20742-5213	

# **PROPERTY NUMBERS Total: 2**

Property Type	Number
Application Number:	62553679
Application Number:	16121339

# **CORRESPONDENCE DATA**

**Fax Number:** (301)314-9502

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 3014058410
Email: patents@umd.edu

Correspondent Name: UNIVERSITY OF MARYLAND, OTC

Address Line 1: 2130 MITCHELL BUILDING
Address Line 2: ATTN: CHARLENE THOMPSON

Address Line 4: COLLEGE PARK, MARYLAND 20742-5213

ATTORNEY DOCKET NUMBER:	IS-2017-123	
NAME OF SUBMITTER:	CHARLENE E. THOMPSON	
SIGNATURE:	/Charlene E. Thompson/	
DATE SIGNED:	03/06/2019	

**Total Attachments: 2** 

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PATENT 505361019 REEL: 048520 FRAME: 0172

### INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS AGREEMENT by and between;
9223 East Parkhill Drive Bethesda
Park (hereinafter referred to as "Assignee").

Donald Yeung an individual having a principal residence at MD 20814 (hereinafter referred to as "Assignor"), and the University of Maryland, College

#### WITNESSETH:

WHEREAS, Assignor has created and developed certain inventions, improvements, discoveries, software, or other intellectual property, as described in Assignee Invention Disclosure No. IS-2017-123 entitled

# Integrating a ReRAM-Based Memory System into a Multicore CPU's Die to Achieve Massive Memory Parallelism

and for U.S. Provisional Patent Application number 62/553679 filed September 1, 2017, U.S. Nonprovisional Patent Application number 16/121339 filed September 4, 2018, and for any and all application(s) for Letters Patent in the United States of America and throughout the world, and all divisional, continuation, continuation-in-part, substitutions, renewals, reissues, extensions and other applications pertaining to the foregoing which have or shall be filed in the United States, any foreign country and other jurisdictions (hereinafter collectively referred to as the "Works"); and

WHEREAS, Assignor agrees that, to the extent the Works are, by operation of law or otherwise, not deemed to be works made for hire within the meaning of the Copyright Act, (Title 17, U.S.C. Section 101, et seq.), Assignor agrees to assign all of his/ner right, title and interest in and to the Works to Assignee, and further agrees to take such further actions and to execute such further instruments that Assignee might find reasonable or necessary to perfect or to evidence more clearly its right and claim to exclusive ownership of all of Assignor's worldwide intellectual property interests respecting the Works; and

WHEREAS, Assignor and Assignee now wish to perfect and to evidence more clearly the right and claim of Assignee to exclusive ownership of all of Assignor's intellectual property interests respecting the Works.

NOW, THEREFORE, in consideration of the rights granted to Assignor under the University of Maryland Policy on Intellectual Property, as approved by the Board of Regents of the University of Maryland, and as amended by them from time to time, and other good and valuable consideration furnished by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee, intending to be legally bound, do hereby covenant and agree as follows:

#### Section 1. <u>Assignment of the Works.</u>

Assignor hereby assigns, transfers and conveys to Assignee, its successors, assigns or other legal representatives, without the necessity of any consideration in addition to that recited herein, all of Assignor's right, (itle and interest in and to the Works. This assignment shall be operative with respect to all intellectual property rights in and to the Works, including (without limitation), (i) all copyrights in the United States and elsewhere, including all rights of registration, publication, renewal, rights to create derivative works and all other rights incident to copyright ownership, for the residue now unexpired of the present term of any and all such copyrights and any term thereafter granted during which the Works are entitled to copyright; (ii) all trade secrets, inventions, know-how, ideas and confidential information embodied or reflected in the Works, including any shop rights, for the longest period of protection accorded to such interest under applicable law; and (iii) all patent rights in the United States and elsewhere, including all rights of registration, publication, renewal, and all other works incident to copyright ownership, for the longest period of protection accorded to such interests under applicable law.

### Section 2. <u>University of Maryland Policy</u> on Intellectual Property.

The assignment of rights perfected hereunder shall be governed by the University of Maryland Policy on Intellectual Property as approved by the Board of Regents of the University of Maryland, and as amended by them from time to time. Royalty income shall be allocated as set forth in this policy.

#### Section 3. Warranty

Assignor warrants and covenants that he/she is an author or inventor of the Works and that as of the date of this Assignment, has taken no action respecting the Works which purports or attempts to transfer or encumber any right, title or interest in or to the Works to any other party; and covenants not to take such action in the future.

### Section 4. <u>Jurisdiction</u>.

The validity, interpretation, and effect of this agreement shall be governed by the laws of the State of Maryland and of the United States of America. Any legal proceedings involving claims or disputes regarding this agreement shall be brought in the appropriate court in the State of Maryland.

WHEREAS, the parties have caused this Assignment to be executed on the dates below.

**ASSIGNOR** 

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Agreed to by: 15
Printed Name: [

Inven

Date: 400

ASSIGNEE (University of Maryland)

Acknowledged and Agreed to by:

Printed Name: Felicia Met

Title: Acting Director

Date: Tob 7 7019

#### INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS AGREEMENT by and between:

Bruce Jacob

an individual having a principal residence at

1801 Millridge Ct. Annapolis Park (hereinafter referred to as "Assignee").

MD 21409 (hereinafter referred to as "Assignor"), and the University of Maryland, College

#### WITNESSETH:

WHEREAS, Assignor has created and developed certain inventions, improvements, discoveries, software, or other intellectual property, as described in Assignee Invention Disclosure No. IS-2017-123 entitled

#### Integrating a ReRAM-Based Memory System into a Multicore CPU's Die to Achieve Massive Memory Parallelism

and for U.S. Provisional Patent Application number 62/553679 filed September 1, 2017, U.S. Nonprovisional Patent Application number 16/121339 filed September 4, 2018, and for any and all application(s) for Letters Patent in the United States of America and throughout the world, and all divisional, continuation, continuation-in-part, substitutions, renewals, reissues, extensions and other applications pertaining to the foregoing which have or shall be filed in the United States, any foreign country and other jurisdictions (hereinafter collectively referred to as the "Works"); and

WHEREAS, Assignor agrees that, to the extent the Works are, by operation of law or otherwise, not deemed to be works made for hire within the meaning of the Copyright Act, (Title 17, U.S.C. Section 101, et seq.), Assignor agrees to assign all of his/her right, title and interest in and to the Works to Assignee, and further agrees to take such further actions and to execute such further instruments that Assignee might find reasonable or necessary to perfect or to evidence more clearly its right and claim to exclusive ownership of all of Assignor's worldwide intellectual property interests respecting the Works; and

WHEREAS, Assignor and Assignee now wish to perfect and to evidence more clearly the right and claim of Assignee to exclusive ownership of all of Assignor's intellectual property interests respecting the Works.

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#### Assignment of the Works.

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#### Section 4. Jurisdiction.

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WHEREAS, the parties have caused this Assignment to be executed on the dates below.

ASSIGNOR

Agreed to by

Printed Name: Bruce Jacob

ct 2018 Date:

ASSIGNEE (University of Maryland)

Acknowledged and Agreed to by:

PATENT REEL: 048520 FRAME: 0174

RECORDED: 03/06/2019