

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PENG OUYANG	09/03/2020
YU PAN	09/03/2020
YOUGUANG ZHANG	09/03/2020
WEISHENG ZHAO	09/03/2020
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17043677
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<b>SIGNATURE:</b>	/Belinda Lee/
<b>DATE SIGNED:</b>	10/16/2020
<b>Total Attachments: 3</b> source=103032_dcl_assgn#page1.tif source=103032_dcl_assgn#page2.tif source=103032_dcl_assgn#page3.tif	

**DECLARATION AND ASSIGNMENT  
FOR UTILITY OR DESIGN PATENT APPLICATION**

☒ Declaration Submitted With Initial Filing

OR

☐ Declaration Submitted After Initial Filing (surcharge 37 CFR 1.16(f) required)

(Title of the Invention)

**COMPUTING IN-MEMORY SYSTEM AND METHOD BASED ON  
SKYRMION RACETRACK MEMORY**

As a below named inventor (hereinafter designated as the undersigned), I hereby  
declare that:

This declaration is directed to:

☐ The attached application,

OR

☒ United States Application Number or PCT International application number

PCT/CN2019/084297 Filed on 2019/04/25

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in  
the application.

The undersigned hereby acknowledge that any willful false statement made in this  
declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more  
than five (5) years, or both.

**DECLARATION AND ASSIGNMENT  
FOR UTILITY OR DESIGN PATENT APPLICATION**

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.

**WHEREAS,** 1. HEFEI INNOVATION RESEARCH INSTITUTE, BEIHANG UNIVERSITY  
of Beihang University National Science Park, Xinzhan Hi-tech Industrial Development Zone Hefei, Anhui 230013 China  
, 2. BEIHANG UNIVERSITY  
of Beihang University 37 Xueyuan Road, Haidian District Beijing 100083 China

hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the undersigned's interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by the undersigned, the undersigned has/have sold, assigned and transferred, and by these presents does/do sell, assign **and transfer unto the said Assignee, and Assignee's successors** and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said the undersigned had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

The undersigned further agrees/agree that he/she/they will, without charge to said Assignee, but **at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or** applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said **Assignee, or Assignee's successors** and assigns.

**DECLARATION AND ASSIGNMENT**

**FOR UTILITY OR DESIGN PATENT APPLICATION**

Signature: Peng Ouyang Date: 2020.9.3

Legal Name of Sole or First Inventor: **Peng OUYANG**

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Signature: Yu Pan Date: 2020.9.3

Legal Name of Additional Joint Inventor, if any: **Yu PAN**

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Mailing Address: Beihang University 37 Xueyuan Road, Haidian District Beijing 100083 China

Signature: Yonguang Zhang Date: 2020.9.3

Legal Name of Additional Joint Inventor, if any: **Yonguang ZHANG**

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Signature: Weisheng Zhao Date: 2020.9.3

Legal Name of Additional Joint Inventor, if any: **Weisheng ZHAO**

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