505541020 06/24/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5587817

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEONWOOK KIM	06/18/2019
YOONAH PAIK	06/18/2019
JAEYUNG JUN	06/18/2019

RECEIVING PARTY DATA

Name:	SK HYNIX INC.	
Street Address:	2091, GYEONGCHUNG-DAERO, BUBAL-EUP, GYEONGGI-DO	
City:	ICHEON	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	17336	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16449172

CORRESPONDENCE DATA

Fax Number:

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.

Email: docketing@ampacc.com

AMPACC LAW GROUP, PLLC Correspondent Name: Address Line 1: 6100 219TH ST SW #580

Address Line 4: MOUNTLAKE TERRACE, WASHINGTON 98043

ATTORNEY DOCKET NUMBER:	100IN0839US	
NAME OF SUBMITTER:	SUN HAO	
SIGNATURE:	/Sun Hao/	
DATE SIGNED:	06/24/2019	

Total Attachments: 2 source=41D7308#page1.tif source=41D7308#page2.tif

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REEL: 049571 FRAME: 0166

PATENT

Attorney Docket No.: 100IN0839US Client Reference No.: PO170289J-US

DECLARATION AND ASSIGNMENT OF PATENT APPLICATION

As a below named inventor, I hereby declare that:

This declaration is directed to the application attached hereto, or if not attached hereto, the below-identified application:

Title of Invention: HISTO

HISTORY-BASED MEMORY CONTROL

SYSTEM AND METHOD

Filing Date:

June 21, 2019

Application No.:

16/449,172

Attorney Docket No.:

100IN0839US

The application was made or authorized to be made by me;

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

I hereby acknowledge that any willful false statements 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.

WHEREAS, the below named individual(s), hereinafter referred to as "Assignors," are the inventor(s) of the invention described and set forth in the above-identified application for United States Letters Patent;

WHEREAS, SK hynix Inc., located at 2091, Gyeongchung-duero, Bubal-enp, Gyeonggi-do, Icheon, Republic of Korea 17336 and Korea University Industry Cooperation Foundation, located at 145 Anam-ro, Seongbuk-gu, Seoul, Republic of Korea 02841, hereinafter referred to as "ASSIGNEE," is desirous of acquiring ASSIGNORS' 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 Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all their right, title and interest in and to the said invention and application including any corresponding foreign application, and in and to any Letters Patent which may hereafter be granted on the same in the United States and any corresponding foreign application, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors 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.

Assignors further agree that they will, without charge to 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 Assignee, or Assignee's successors and assigns.

Declaration and Assignment

Attorney Docket No.: 100IN0839US Client Reference No.: PO170289J-US

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Assignors hereby authorize and request AMPACC Law Group, PLLC, 6100 219th Street SW, Suite 580, Mountlake Terrace, WA 98043, to insert herein above the title, application number, and filing date of said application when known.

IN TESTIMONY WHEREOF, each below named inventor, collectively Assignors, has signed on the dates indicated.

Date:

 $\frac{2010.06.18}{\text{Date:}}$

Inventor's Name: Seonwook KIM

Inventor's Name: Younah PAIK

Inventor' Name: Jacyang JUN

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