10/19/2015 503529528

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3576154

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WON-GYU SHIN	09/23/2015
JUNG-WHAN CHOI	09/23/2015
LEE-SUP KIM	09/23/2015
YONG-KEE KWON	09/22/2015
YOUNG-SUK MOON	09/23/2015

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:	467-734
Name:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
Name: Street Address:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY 291 DAEHAK-RO (373-1 GUSEONG-DONG), YUSEONG-GU
Street Address:	291 DAEHAK-RO (373-1 GUSEONG-DONG), YUSEONG-GU

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14885902

CORRESPONDENCE DATA

Fax Number: (425)348-3299

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: 425-348-3500

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Correspondent Name: AMPACC LAW GROUP, PLLC

6100 219TH ST. SW Address Line 1:

Address Line 2: **SUITE 580**

Address Line 4: MOUNTLAKE TERRACE, WASHINGTON 98043

> **PATENT** REEL: 036826 FRAME: 0125

503529528

DATE SIGNED:	10/19/2015
SIGNATURE:	/STEVE Y. CHO/
NAME OF SUBMITTER:	STEVE Y. CHO
ATTORNEY DOCKET NUMBER:	K100KP-061700US

Total Attachments: 3

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> PATENT REEL: 036826 FRAME: 0126

Attorney Docket No.: K100KP-961700US Client Reference No.: 20150528.002

ASSIGNMENT OF PATENT APPLICATION

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

Title of Invention:

MEMORY CONTROLLER

Filing Date:

October 16, 2015

Application No.:

14/885,902

WHEREAS, SK Hynix Inc., located at 2091, Gyeongchung-daero, Bubal-eup, Icheon-si, Gyeonggi-do, Republic of Korea, 467-734, and Korea Advanced Institute of Science and Technology, located at 291 Daehak-ro (373-1 Guseong-dong), Yuseong-gu, Daejeon, 305-701, Republic of Korea, hereinafter referred to as "ASSIGNEES," are 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 as joint assignees;

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 Assignees, and Assignees' 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 Assignees 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.

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

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

5012-09-53

Won-Syu Shin
Name: Won-Gyu SHIN

Jum-Whan Choi

Name: Jung-Whan CHOI

Name: Lee-Sup KIM

Attorney Docket No.: K100KP-061700US Client Reference No.: 20150528 002

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Attorney Docket No.: K100KP-061700US Client Reference No.: 20150528,002

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MEMORY CONTROLLER

Filing Date:

October 16, 2015

Application No.:

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

2015/09/23

Young_Suk Moon Name: Young-Suk MOON

Date: 2015 109123

PATENT **REEL: 036826 FRAME: 0129**

RECORDED: 10/19/2015