## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3488192

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JONG JU PARK	07/21/2015

### **RECEIVING PARTY DATA**

Name:	SK HYNIX INC.
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City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14829322

#### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	JUN JEONG PARK
SIGNATURE:	/Jun Jeong PARK/
DATE SIGNED:	08/18/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 1**

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PATENT 503441568 REEL: 036388 FRAME: 0809

# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS, Jong Ja PARK

bereinsfier referred to collectively as the assigner and inventor, has invented a certain improvement relating to
MEMORY SYSTEM, COMPUTING SYSTEM INCLUDING THE SAME AND METHOD OF OPERATING MEMORY SYSTEM
(O) said application being attached heretin
said application having been filed in the United States Patent and Tesdemark Office on and was amended as Application Serial No
on
[ ] the specification of which was filed under the Patent Cooperation Treaty on  Sensi No the United States of America being designated.
AND WHEREAS, SK bysis inc. of 2091, Gycongchaug-deers, Butst-cut, Ickeon-si, Gyconggi-its, Republic of Karea, hereinsfier referred to us the assignee or applicant, is decircus of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which any be granted therefor, including any and all renewals, reissues and protongations thereof:
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assigned to said assigned, the receipt of which is hereby acknowledged, said assigned hereby assigns, sails and tomasfers to said assigned, and sood assigned's successors and assigns, the full and exclusive right, fills and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assigned and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appearaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assigned, and said assigned's successors and assigned, in as ample and beneficial a manner as the said assignor might or could have held and anjoyed the same, if this assignment had not been made.
AND said assignor hereby agrees to perform upon the request of said assignee, or said assignee's successors or assigns, any and all sets relating to the obtaining or to the asserting of said patents, including any and all renewats, reissues and prolongations thereof.
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.
As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed inventor in the application.
I hereby acknowledge that any willful false statement made in this declaration is panishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (S) years, or both
ASSIGNOR (INVENTOR);
Signature JOAF Ju PARK Duie JULY 2015
Printed or Typed Namer <b>Jong Ju PARK</b>

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