

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3395376

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	SK HYNIX MEMORY SOLUTIONS INC.	05/04/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SK HYNIX INC.	
<b>Street Address:</b>	2091, GYEONGCHUNG-DAERO,	
<b>Internal Address:</b>	BUBAL-EUB, ICHEON-SI	
<b>City:</b>	GYEONGGI-DO	
<b>State/Country:</b>	KOREA, REPUBLIC OF	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14550522
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(408)973-2595	
<i>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.</i>		
<b>Phone:</b>	4089732585	
<b>Email:</b>	mgreen@ip-patent.com	
<b>Correspondent Name:</b>	VAN PELT, YI AND JAMES LLP	
<b>Address Line 1:</b>	10050 N. FOOTHILL BLVD	
<b>Address Line 2:</b>	STE 200	
<b>Address Line 4:</b>	CUPERTINO, CALIFORNIA 95014	
<b>ATTORNEY DOCKET NUMBER:</b>	SKHYP024	
<b>NAME OF SUBMITTER:</b>	LAURA ING	
<b>SIGNATURE:</b>	/Laura Ing/	
<b>DATE SIGNED:</b>	06/12/2015	
<b>Total Attachments: 1</b>		
source=SKHYP024 Executed SKHMS to SK Hynix Inc. Assignment#page1.tif		

## PATENT ASSIGNMENT

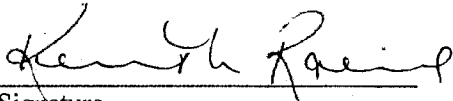
SK hynix memory solutions inc., a Delaware corporation having a place of business at 3103 North First Street, San Jose, California 95134 ("Assignor"), certifies that to the best of Assignor's knowledge and belief it is the sole assignee of United States Patent Application No. 14/550,522, filed November 21, 2014, entitled ERROR DETECTION USING A LOGICAL ADDRESS KEY.

SK hynix memory solutions inc. hereby:

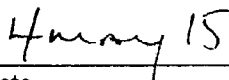
- 1) Assigns and transfers to SK hynix Inc., a Korea corporation having a place of business at 2091, Gyeongchung-daero, Bupal-eub, Icheon-si, Gyeonggi-do, South Korea ("Assignee"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application and/or in any provisional application to which the above referenced application claims priority, including without limitation any and all rights to sue for past infringement and to recover damages for any and all past infringement.
- 2) Authorizes and requests the Commissioner of Patents to issue any and all Letters Patents resulting from patent applications claiming priority to or otherwise related to the above referenced United States Patent Application No. 14/550,522 including any divisional(s), continuation(s), substitutes(s) or reissue(s) thereof to SK hynix Inc.

Signed on the date(s) indicated beside my (our) signature(s).

SK hynix memory solutions inc.

  
Signature

Kenneth Racine  
Vice President

  
Date

Attorney Docket No. SKHYP024