

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hyoung Seub Rhie	04/10/2013
RECEIVING PARTY DATA	
Name:	Mosaid Technologies Incorporated
Street Address:	11 Hines Road
Internal Address:	Suite 203
City:	Ottawa
State/Country:	CANADA
Postal Code:	K2K 2X1
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13803085
CORRESPONDENCE DATA	
Fax Number:	6135918148
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	613-599-9539
Email:	ipadmin@mosaid.com
Correspondent Name:	Mosaid Technologies Incorporated
Address Line 1:	11 Hines Road
Address Line 2:	Suite 203
Address Line 4:	Ottawa, CANADA K2K 2X1
ATTORNEY DOCKET NUMBER:	01387-US-PAT
NAME OF SUBMITTER:	Tammy Kelly
Signature:	/Tammy Kelly/
Date:	05/10/2013
Total Attachments: 3 source=executed_assignment#page1.tif source=executed_assignment#page2.tif source=executed_assignment#page3.tif	

CH \$40.00 13803085

ASSIGNMENT OF PATENT RIGHTS

For and in consideration of agreement(s) duly entered into with my/our employer, MOSAID Technologies Incorporated ("Assignee"), a Canadian corporation, with an address at 11 Hines Road, Suite 203, Ottawa, Ontario, K2K 2X1, Canada, and/or other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

I/WE: ("Assignor(s)"),

Hyoungh Seub RHIE, 21-15 Rockway Crescent, Ottawa, Ontario K2G 0M3, Canada

hereby sell(s), assign(s), and transfer(s) to Assignee, the full extent of all right, title, and interest in and to any and all of the following (collectively, the "Rights"):

1. The provisional patent applications, patent applications and/or patents listed in the table below (the "Patents");

State	Application/Patent No.	Filing Date (actual or expected)	Title
US	61/733,063	December 4, 2012	NAND FLASH MEMORY WITH VERTICAL CELL STACK STRUCTURE AND METHOD FOR MANUFACTURING IT
US	13/803,085	March 14, 2013	NAND FLASH MEMORY WITH VERTICAL CELL STACK STRUCTURE AND METHOD FOR MANUFACTURING SAME

Executed concurrently herewith;

2. All inventions claimed or described in any or all of the Patents (collectively, the "Inventions");

3. All rights with respect to the Inventions, including all United States patents or other governmental grants or issuances that may be granted with respect to the Inventions or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Patents (collectively, the "Potential Patents");

4. All reissues, reexaminations, extensions, or registrations of the Patents or Potential Patents;

5. All non-United States patents, patent applications, and counterparts relating to any or all of the Inventions, the Patents, or Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other

governmental grants or issuances (collectively, the "Foreign Rights"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;

6. The right to claim priority rights deriving from the Patents;

7. All causes of action and remedies related to any or all of the Patents, the Inventions, Potential Patents, or Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

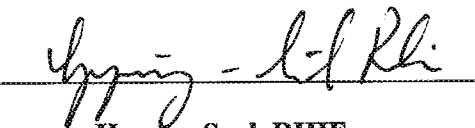
8. Any and all other rights and interests arising out of, in connection with, or in relation to the Patents, the Inventions, Potential Patents, or Foreign Rights.

Assignor(s) will not sign any writing or do any act conflicting with this Assignment, and, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignee shall compensate Assignor(s) for any reasonable, documented disbursements provided that Assignor(s) shall have furnished Assignee an advance, written estimate of the fees and costs for such assistance and Assignee shall have agreed in writing to pay such fees and costs. Assignor(s) request(s) the respective Patent Office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor(s), its(their) successors, legal representatives and assigns.

SIGNED at Ottawa, Ontario, Canada
City or Town Country

this 10th day of April, 2013.


Hyoung Seub RHIE

STATEMENT OF WITNESS

I, Tammy Kelly whose full post office address is
(name of witness)

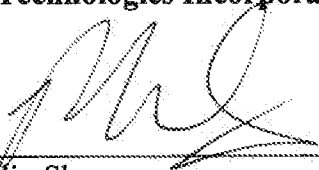
6 Sauble Drive, Kanata, Ontario, K2M 2Y3, Canada

was personally present and did see **Hyoung Seub RHIE** execute the within assignment and such assignor is personally known to me to be the person described in such document.

Tammy Kelly
(Signature of Witness)

ASSIGNEE:

MOSAID Technologies Incorporated

By: 

Name: **Phillip Shaer**

Title: **Senior Vice President, General Counsel and Corporate Secretary**

STATEMENT OF WITNESS

I, Tammy Kelly whose full post office address is
(name of witness)

6 Sauble Drive, Kanata, Ontario, K2M 2Y3, Canada

was personally present and did see **Phillip Shaer** execute the within assignment and such assignor is personally known to me to be the person described in such document.

Tammy Kelly
(Signature of Witness)