

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6004554

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GRANT R. WALLACE	09/30/2016
PHILIP N. SHILANE	09/28/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC IP HOLDING COMPANY LLC
<b>Street Address:</b>	176 SOUTH STREET
<b>City:</b>	HOPKINTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01748
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16813265
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(801)328-1707
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<b>ATTORNEY DOCKET NUMBER:</b>	20721.17.1
<b>NAME OF SUBMITTER:</b>	CARL T. REED
<b>SIGNATURE:</b>	/Carl T. Reed/
<b>DATE SIGNED:</b>	03/09/2020
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

**WHEREAS**, I/we, Grant R. Wallace and Philip N. Shilane have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled LOCKING STRUCTURES IN FLASH MEMORY, the specification of which:

is being executed on even date herewith and is about to be filed in the United States Patent Office;

was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_;

was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS**, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of Delaware and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with me/us;

**NOW, THEREFORE**, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I/we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me/us had this assignment and sale not been made; I/we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I/We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

**AND**, I/we hereby further agree for myself/ourselves and my/our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or

other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I/we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hands and affixed my/our seals as set forth below:

Date: 9/30/2016

Grant Wallace  
Inventor's Signature

Print full name of first inventor:

Grant R. Wallace

Residence:

Pennington, NJ

Citizenship:

U.S.

Mailing Address:

405 Oak Street  
Pennington, NJ 08534

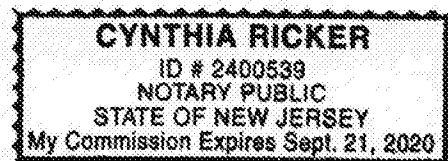
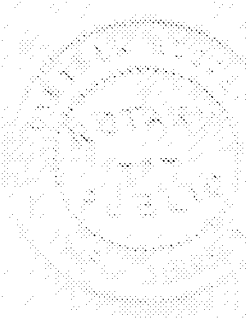
STATE/Commonwealth of New Jersey  
COUNTY OF Mercer

Then personally appeared before me the above-named Grant R. Wallace and acknowledged that he/she executed the foregoing instrument as (his/her) free act and deed this 30<sup>th</sup> day of September, 2016.

Cynthia Ricker  
Notary Public

Print Name: Cynthia Ricker

My Commission expires 09/21/2020



Date: Sept 20, 2016

*Philip N. Shilane*  
Inventor's Signature

Print full name of second inventor: **Philip N. Shilane**  
Residence: Newtown, PA  
Citizenship: U.S.  
Mailing Address: 131 Pheasant Lane  
Newtown, PA 18940

STATE/Commonwealth of New Jersey  
COUNTY OF Mercer

Then personally appeared before me the above-named \_\_\_\_\_ and  
acknowledged that he/she executed the foregoing instrument as his/her free act and deed this  
28<sup>th</sup> day of Sept, 2016

*G. Rathod*  
Notary Public

Print Name: \_\_\_\_\_  
My Commission expires \_\_\_\_\_

**GANGASINGH RATHOD**  
Notary Public  
State of New Jersey  
My Commission Expires Mar. 25, 2019  
I.D.# 2444087

