

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>James Fitzpatrick</td> <td>07/31/2013</td> </tr> <tr> <td>Mark Dancho</td> <td>08/01/2013</td> </tr> <tr> <td>James M. Higgins</td> <td>08/01/2013</td> </tr> <tr> <td>Robert W. Ellis</td> <td>08/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	James Fitzpatrick	07/31/2013	Mark Dancho	08/01/2013	James M. Higgins	08/01/2013	Robert W. Ellis	08/01/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>SMART Storage Systems, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>2600 West Geronimo Place, Building One, Suite 140</td> </tr> <tr> <td>City:</td> <td>Chandler</td> </tr> <tr> <td>State/Country:</td> <td>ARIZONA</td> </tr> <tr> <td>Postal Code:</td> <td>85224</td> </tr> </table>		Name:	SMART Storage Systems, Inc.	Street Address:	2600 West Geronimo Place, Building One, Suite 140	City:	Chandler	State/Country:	ARIZONA	Postal Code:	85224
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13957407</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13957407						
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CORRESPONDENCE DATA											
<p>Fax Number: 4087380881  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 408-738-0592        Email: efilings@ishimarulaw.com</p> <p>Correspondent Name: Mikio Ishimaru        Address Line 1: ISHIMARU &amp; ASSOCIATES LLP        Address Line 2: 2055 Gateway Place, Suite 700        Address Line 4: San Jose, CALIFORNIA 95110</p>											
ATTORNEY DOCKET NUMBER:	63-075 / AB15100										
NAME OF SUBMITTER:	Mikio Ishimaru										
Signature:	/Mikio Ishimaru/										

PATENT

Date:	08/01/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 7</b> source=63-075_Assignment_Statement#page1.tif source=63-075_Assignment_Statement#page2.tif source=63-075_Assignment_Statement#page3.tif source=63-075_Assignment_Statement#page4.tif source=63-075_Assignment_Statement#page5.tif source=63-075_Assignment_Statement#page6.tif source=63-075_Assignment_Statement#page7.tif	

### ASSIGNMENT STATEMENT

☒ Oath/Declaration Statement Included

WHEREAS, the undersigned (hereinafter termed Assignor(s)) has/have invented certain new and useful improvements in

#### **DATA STORAGE SYSTEM WITH DYNAMIC READ THRESHOLD MECHANISM AND METHOD OF OPERATION THEREOF**

for which a United States patent application has been executed on or before the date of this assignment.

WHEREAS, SMART Storage Systems, Inc., a Corporation of the State of Arizona, having a place of business at 2600 West Geronimo Place, Building one, Suite 140, Chandler, AZ, 85224 (hereinafter termed Assignee), is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patents thereon when granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration received by said Assignor(s) from said Assignee(s), the receipt of which is hereby acknowledged by said Assignor(s):

1. Said Assignor(s) hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
2. Said Assignor(s) does not know/do not know and does not believe/do not believe the same was ever known or used in the United States of America before this invention thereof or more than one year prior to this application, and that the same was not in public use or on sale in the United States of America more than one year prior to this application. I acknowledge the duty to disclose information which is known to me to be material to patentability in accordance with title 37, Code of Federal Regulations, section 1.56.
3. Said Assignor(s) does hereby sell, assign, transfer and convey unto said Assignee(s), the entire right, title and interest in and to said application and said invention and in and to any and all improvements on said invention and in and to any and all improvements on said invention heretofore or hereafter made or acquired by said Assignor(s); and in and to any and all Letters Patent on said invention and/or said improvements that may be granted in the United States or any foreign country, including each and every Letters Patent granted on any application which is a division, continuation, substitution, renewal, or continuation-in-part of any said application, and in and to each and every reissue or extension of said Letters Patent.
4. Said Assignor(s) hereby covenants and agrees to cooperate with said Assignee(s) where said Assignee(s) may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee(s)) which are deemed necessary or desirable by Assignee(s) to perfect in it the right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications or other papers (prepared at the expense of Assignee(s)) which are deemed necessary or desirable by Assignee(s) for prosecuting said application, for filing and prosecuting divisional, continuation, substitution, renewal, continuation-in-part, or additional applications in the United States and/or foreign countries covering said invention and/or said improvements, for filing and prosecuting applications for reissuance of letters patent included herein, or for interference proceedings involving said invention and/or said improvements and (c) prompt assistance and cooperation in the prosecution of interference proceedings involving said invention and/or said improvements and in the adjudication of said Letters

Patent, particularly by the disclosure of facts and the production of evidence relating to said invention and/or said improvements, provided the expenses which may be incurred by said Assignor(s) in lending such assistance and cooperation shall be paid by the Assignee(s).

5. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee(s), its successors, assigns and/or other legal representatives and shall be binding upon said Assignor(s), his/her heirs, legal representatives and assigns.

6. Said Assignor(s) hereby warrants and represents that he/she has not entered into any assignment, contract or understanding in conflict herewith.

#### Authorization to Permit Access To Application by Participating Office

☒ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application –as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed form which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

7. Said Assignor(s) hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT international application which designated at least one country other than the United States listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

#### Prior Foreign Application(s):

Number	Country	Day/Month/Year filed	Priority Claimed	
			Yes	No

8. Said Assignor(s) hereby claim the benefit under 35 USC 119(e) of any United States provisional application(s) listed below:

#### Prior Provisional Application(s):

Serial No.	Filing Date

9. Said Assignor(s) hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or Section 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**Prior U.S. Application(s):**

<u>Serial No.</u>	<u>Filing Date</u>

.....

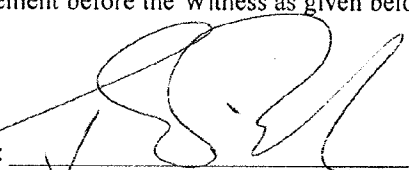
10. Said Assignor(s) hereby authorizes and requests the attorney(s) of record in this application to insert the serial number and filing date of this Non Provisional application in the spaces that follow:

<u>Serial No.</u>	<u>Filing Date</u>
13/957,407	AUGUST 1, 2013

The above-identified application was made or authorized to be made by the Assignor(s), who believe(s) that I am/we are the original inventor(s) or an original joint inventor(s) of a claimed invention in the application.

Said Assignor(s) hereby acknowledge that any willful false statement made in this Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both..

IN WITNESS WHEREOF, the said Assignor(s) has executed this instrument on the date of acknowledgement before the Witness as given below and delivered this instrument to said Assignee(s).

Inventor's signature: Date: 7/31/13

Full name of inventor:

James Fitzpatrick

Citizenship:

United States of America

Residence Address:

17 Run Brook Circle  
Sudbury, MA 01776

Post Office Address:

Same as Residence

State of

MA

County of

Middlesex

} ss

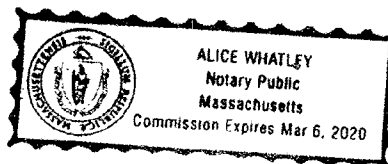
On July 31, 2013 before me, Alice Whatley, Admin Assoc III  
(name and title of officer)

personally appeared James Fitzpatrick, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Massachusetts that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Alice Whatley

The above-identified application was made or authorized to be made by the Assignor(s), who believe(s) that I am/we are the original inventor(s) or an original joint inventor(s) of a claimed invention in the application.

Said Assignor(s) hereby acknowledge that any willful false statement made in this Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both..

IN WITNESS WHEREOF, the said Assignor(s) has executed this instrument on the date of acknowledgement before the Witness as given below and delivered this instrument to said Assignee(s).

Inventor's signature: Mark Dancho Date: 8/1/13

Full name of inventor: Mark Dancho  
Citizenship: United States of America  
Residence Address: 1105 W Mulberry Dr  
Chandler, AZ 85286  
Post Office Address: Same as Residence

State of Arizona  
County of Maricopa } ss

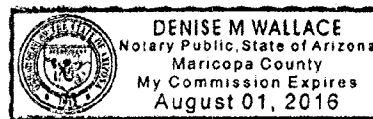
On 1 August, 2013 before me, Denise M. Wallace, Notary,  
(name and title of officer)

personally appeared Mark Dancho, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Arizona that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Denise M Wallace



The above-identified application was made or authorized to be made by the Assignor(s), who believe(s) that I am/we are the original inventor(s) or an original joint inventor(s) of a claimed invention in the application.

Said Assignor(s) hereby acknowledge that any willful false statement made in this Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both..

IN WITNESS WHEREOF, the said Assignor(s) has executed this instrument on the date of acknowledgement before the Witness as given below and delivered this instrument to said Assignee(s).

Inventor's signature: [Signature] Date: 8/1/13

Full name of inventor: James M. Higgins  
Citizenship: United States of America  
Residence Address: 1514 W Oriole Way  
Chandler, AZ 85286  
Post Office Address: Same as Residence

State of Arizona }  
County of Maricopa } ss

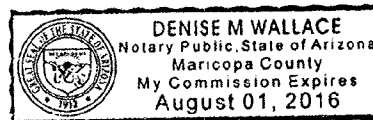
On 1 August, 2013 before me, Denise M. Wallace, Notary  
(name and title of officer)

personally appeared James M. Higgins, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Arizona that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Denise M. Wallace





The above-identified application was made or authorized to be made by the Assignor(s), who believe(s) that I am/we are the original inventor(s) or an original joint inventor(s) of a claimed invention in the application.

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IN WITNESS WHEREOF, the said Assignor(s) has executed this instrument on the date of acknowledgement before the Witness as given below and delivered this instrument to said Assignee(s).

Inventor's signature: Robert W. Ellis Date: 8/1/2013

Full name of inventor: Robert W. Ellis  
Citizenship: United States of America  
Residence Address: 1215 West Seldon Ln  
Phoenix, AZ 85021  
Post Office Address: Same as Residence

State of Arizona  
County of Maricopa } ss

On 1 August, 2013 before me, Denise M. Wallace, Notary,  
(name and title of officer)

personally appeared Robert W. Ellis, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Arizona that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Denise M. Wallace

