

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5221166

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AKASH AGRAWAL	10/22/2018
TIMOTHY JOHNSON	10/30/2018
JIAHUI WANG	10/22/2018
PENG YIN	10/22/2018
STEPHEN RICHARD IVES	10/30/2018
MICHAEL GARVEY	10/31/2018
CHRISTOPHER MONTI	10/30/2018
RECEIVING PARTY DATA	
Name:	EMC IP HOLDING COMPANY LLC
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16176188
CORRESPONDENCE DATA	
Fax Number:	(978)264-9119
<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>	
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Address Line 1:	ANDERSON GORECKI LLP
Address Line 2:	2 DUNDEE PARK, SUITE 301A
Address Line 4:	ANDOVER, MASSACHUSETTS 01810
ATTORNEY DOCKET NUMBER:	112034.01 / 130-185-JCG
NAME OF SUBMITTER:	JOHN C GORECKI
SIGNATURE:	/John C Gorecki/
DATE SIGNED:	11/05/2018

PATENT

Total Attachments: 9

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ASSIGNMENT

WHEREAS, we, **Akash Agrawal, Timothy Johnson, Jiahui Wang, Peng Yin, Stephen Richard Ives, Michael Garvey, and Christopher Monti**, 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

System and Method for Managing Recovery of Multi-Controller NVMe Drives,

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 Delaware limited liability company 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 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, 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 us had this assignment and sale not been made; 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. 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, we hereby further agree for ourselves and 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, 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;

AND, we do hereby appoint as our attorneys Holmes W. Anderson and John C. Gorecki of Anderson Gorecki LLP, whose full office address is 2 Dundee Park, Suite 301A, Andover, MA 01810, and authorize them to prosecute the patent application(s) and correct errors in this Assignment and to insert any further identification and other information necessary or desirable to make this Assignment suitable for recording in a domestic or foreign Patent Office.

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

Date: 22 October 2018

Akash

Inventor's Signature

Print full name of inventor

Akash Agrawal

Residence

House 929 Ward 10, Deoria-274001 (U.P.)
India

Citizenship

India

Mailing Address

176 South Street
Hopkinton, MA 01748

I, Karan Maidankers (name of first witness), whose residential address is
R14 Korank Campus, Vaman Nagar, Pune - 411014, Maharashtra, India
was personally present and did see Akash Agrawal (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Karan Maidankers

(signature of first witness)

Signed at Pune, India (location of witness signature)

on this day, 22 October 2018, 2018 (date of signature).

I, Tushar Kaurans (name of second witness), whose residential address is

R14 Korank Campus, Vaman Nagar, Pune - 411014, Maharashtra, India

was personally present and did see Akash Agrawal (name of person signing the assignment),
who is personally known to me, execute the above assignment.


TUSHAR

(signature of second witness)

Signed at Pune, India (location of witness signature)

on this day, 22 October 2018, 2018 (date of signature).

Date: 10/30/18


Inventor's Signature

Print full name of inventor

Timothy Johnson

Residence

12 Mount Pleasant Ave.

Leicester, MA 01524

Citizenship

United States

Mailing Address

176 South Street

Hopkinton, MA 01748

I, MICHAEL McDONAGH (name of first witness), whose residential address is

24 SHAKER LANE LITTLETON MA 01460

was personally present and did see **Timothy Johnson** (name of person signing the assignment), who is personally known to me, execute the above assignment.

 (signature of first witness)

Signed at 176 SOUTH ST, HOPKINTON, MA (location of witness signature)

on this day, 10/30/18, 2018 (date of signature).

I, Dale Elliott (name of second witness), whose residential address is

22 Trickett Circle Northborough MA 01532

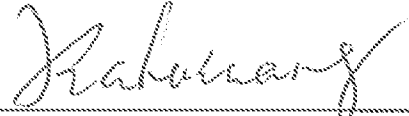
was personally present and did see **Timothy Johnson** (name of person signing the assignment), who is personally known to me, execute the above assignment.

 (signature of second witness)

Signed at 176 South St Hopkinton MA (location of witness signature)

on this day, 10/30/18, 2018 (date of signature).

Date: 10/22/2018



Inventor's Signature

Print full name of inventor

Jiahui Wang

Residence

180 Newbury Street
Framingham, MA 01701

Citizenship

US

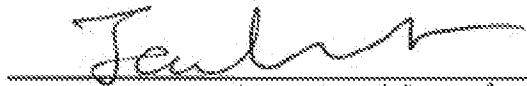
Mailing Address

176 South Street
Hopkinton, MA 01748

I, Jack Fu (name of first witness), whose residential address is

116 Brakes st Brighton MA 02135

was personally present and did see **Jiahui Wang** (name of person signing the assignment), who is personally known to me, execute the above assignment.



(signature of first witness)

Signed at 176 South st, Hopkinton MA (location of witness signature)

on this day, 10/22, 2018 (date of signature).

I, Dashon Wang (name of second witness), whose residential address is

446 Brookline St Newton MA 02459

was personally present and did see **Jiahui Wang** (name of person signing the assignment), who is personally known to me, execute the above assignment.



(signature of second witness)

Signed at 176 South St. Hopkinton, MA (location of witness signature)

on this day, Oct. 22, 2018 (date of signature).

Date: 10/22/18


Inventor's Signature

Print full name of inventor

Peng Yin

Residence

1 Whistler Ln.
Southborough, MA 01772

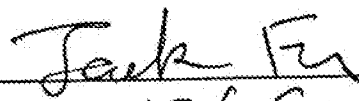
Citizenship

US

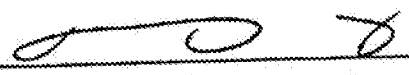
Mailing Address

176 South Street
Hopkinton, MA 01748

I, Jack Fu (name of first witness), whose residential address is
116 Brookline St Brighton MA 02135
was personally present and did see **Peng Yin** (name of person signing the assignment), who is
personally known to me, execute the above assignment.

 (signature of first witness)
Signed at 176 South St Hopkinton MA (location of witness signature)
on this day, 10/22/, 2018 (date of signature).

I, Dashong Wang (name of second witness), whose residential address is
446 Brookline St, Newton, MA 02459
was personally present and did see **Peng Yin** (name of person signing the assignment), who is
personally known to me, execute the above assignment.

 (signature of second witness)
Signed at 176 South St. Hopkinton, MA (location of witness signature)
on this day, 10/22, 2018 (date of signature).

Date: October 30, 2018


Inventor's Signature

Print full name of inventor

Stephen Richard Ives

Residence

26 Shrewsbury Street
West Boylston, MA 01583-2104

Citizenship

US


Mailing Address

176 South Street
Hopkinton, MA 01748

I, MONA IVES (name of first witness), whose residential address is

26 SHREWSBURY ST. WEST BOYLSTON, MA 01583

was personally present and did see **Stephen Richard Ives** (name of person signing the assignment), who is personally known to me, execute the above assignment.

 (signature of first witness)


Signed at WEST BOYLSTON, MA (location of witness signature)

on this day, OCTOBER 30, 2018 (date of signature).

I, NADIA SALEM (name of second witness), whose residential address is

26 Shrewsbury St West Boylston, MA 01583

was personally present and did see **Stephen Richard Ives** (name of person signing the assignment), who is personally known to me, execute the above assignment.

 (signature of second witness)

Signed at West Boylston, MA (location of witness signature)

on this day, Oct, 30, 2018 (date of signature).

Date: 10/31/18


Inventor's Signature

Print full name of inventor

Michael Garvey

Residence

1499 Dunhamtown Road
Brimfield, MA 01010

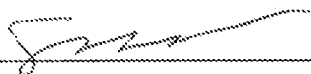
Citizenship

US

Mailing Address

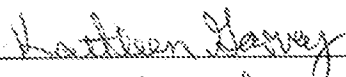
176 South Street
Hopkinton, MA 01748

I, Eric Jaeger (name of first witness), whose residential address is
1497 Dunhamtown Brimfield MA 01010
was personally present and did see **Michael Garvey** (name of person signing the assignment),
who is personally known to me, execute the above assignment.



(signature of first witness)
Signed at Brimfield (location of witness signature)
on this day, 10-31, 2018 (date of signature).

I, Kathleen Garvey (name of second witness), whose residential address is
1499 Dunhamtown Rd, Brimfield, MA 01010
was personally present and did see **Michael Garvey** (name of person signing the assignment),
who is personally known to me, execute the above assignment.



(signature of second witness)
Signed at Brimfield (location of witness signature)
on this day, 10-31, 2018 (date of signature).

Date: 10/30/2018

Christopher Monti
Inventor's Signature

Print full name of inventor

Christopher Monti

Residence

7 Mackey Drive
Tyngsboro, MA 01879

Citizenship

US

Mailing Address

176 South Street
Hopkinton, MA 01748

I, MICHAEL McDONALD (name of first witness), whose residential address is
24 SHAKER LN, LITTLETON, MA 01460

was personally present and did see **Christopher Monti** (name of person signing the assignment),
who is personally known to me, execute the above assignment.

M. McDonald (signature of first witness)

Signed at 176 SOUTH ST HOPKINTON MA (location of witness signature)

on this day, 10/30/18, 2018 (date of signature).

I, Debra diBenedetto (name of second witness), whose residential address is
7 Blueberry Lane, Hopkinton, MA 01748

was personally present and did see **Christopher Monti** (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Debra diBenedetto (signature of second witness)

Signed at 176 South St Hopkinton, MA (location of witness signature)

on this day, 10/30/2018, 2018 (date of signature).