

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NIHAR NANDA	12/12/2017
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:	15712834
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<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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SIGNATURE:	/JOSEPH B. RYAN/	
DATE SIGNED:	09/11/2018	
Total Attachments: 5		
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ASSIGNMENT

WHEREAS, we, David Stephen Reiner, Nihar Nanda and Said Tabet, 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 **DISTRIBUTED MANAGEMENT OPTIMIZATION FOR IOT DEPLOYMENTS**, 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 September 22, 2017 as U.S. Application No. 15/712,834;
- ☐ was patented under U.S. Patent No. _____ on _____.

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a limited liability company organized and existing under the laws of the State 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 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.

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

Date: _____

Inventor's Signature

Print full name of first inventor:

David Stephen Reiner

Residence:

Lexington, Massachusetts

Citizenship:

United States of America

Mailing Address:

7 Russell Road

Lexington, Massachusetts 02420

I _____ (name) whose residential address is

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

(signature of first witness)

Signed at _____ (location of witness signature)

on this day _____ of 20____. (date of signature)

I _____ (name) whose residential address is

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

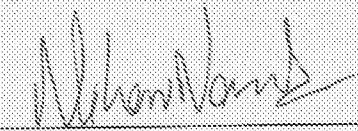
(signature of second witness)

Signed at _____ (location of witness signature)

on this day _____ of 20____. (date of signature)

Date:

12/12/2017



Inventor's Signature

Print full name of second inventor:

Nihar Nanda

Residence:

Acton, Massachusetts

Citizenship:

United States of America

Mailing Address:

14 Captain Forbush Lane

Acton, Massachusetts 01720

I SAROJ K. PANIGRAHI (name) whose residential address is

67 MIDDLE DUNSTABLE RD, NASHUA, NH 03062

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

Saroj Kumar Panigrahi (signature of first witness)

Signed at NASHUA, NH (location of witness signature)

on this day 12/12/2017 of 2017. (date of signature)

I Robert C. Sullivan (name) whose residential address is

25 Horse Hill St. Dunstable, MA 01827

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

Robert C. Sullivan (signature of second witness)

Signed at Nashua, NH (location of witness signature)

on this day 12th December of 2017. (date of signature)

Date: _____

Inventor's Signature

Print full name of third inventor: Said Tabet
Residence: Natick, Massachusetts
Citizenship: United States of America
Mailing Address: 24 Magnolia Road
Natick, Massachusetts 01760

I _____ (name) whose residential address is

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

_____ (signature of first witness)

Signed at _____ (location of witness signature)

on this day _____ of 20____. (date of signature)

I _____ (name) whose residential address is

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

_____ (signature of second witness)

Signed at _____ (location of witness signature)

on this day _____ of 20____. (date of signature)