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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAMAKRISHNA VAKALAPUDI	01/03/2018
ADEL HANNA	01/03/2018

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:	15865555

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	109851.01
NAME OF SUBMITTER:	JOSEPH B. RYAN
SIGNATURE:	/joseph b. ryan/
DATE SIGNED:	01/09/2018

Total Attachments: 4

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> PATENT REEL: 044571 FRAME: 0910

ASSIGNMENT

WHEREAS, we, Ramakrishna Vakalapudi and Adel Hanna, 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 REMOTE SERVICE CREDENTIALS FOR ESTABLISHING REMOTE SESSIONS WITH MANAGED DEVICES, the specification of which:

[X]	is being executed of	n even date herewith and is about to be	filed in the United
	States Patent Offic	P;	
[]	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 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,

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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:

PATENT/Joint Assignment Attorney Docket No.: 109851.01

Date: 378 Jon 2018	v. Pand=
	Inventor's Signature
Print full name of first inventor:	Ramakrishna Vakalapudi
Residence:	Northborough, Massachusetts
Citizenship:	India
Mailing Address:	25 Holbrook Lane
	Northborough, Massachusetts 01532
I <u>Latha Ramaswamy</u>	(name) whose residential address is
was personally present and did see Rama assignment) who is personally known to	
<u> Lite</u>	(signature of first witness)
Signed at 32 Costin Dr. South born	
on this day <u>S^{Y'} Jan</u>	of 20 <u>18</u> . (date of signature)
I A Nanesh Kimon	(name) whose residential address is
55 Commons Dr. ATT# 07	Jhrewstany -01545, MA
was personally present and did see Rama assignment) who is personally known to	krishna Vakalapudi (name of person signing the me, execute the above assignment.
Adoresh Kumer	(signature of second witness)
Signed at <u>\$2 CoslinDy Sout</u>	Worand (location of witness signature)
on this day <u>zrd Janl</u>	of 20 <u>1 /</u> (date of signature)

Date: 3/Jan/2018	Sign les
-97-4	nventor's Signature
Print full name of second inventor:	Adel Hanna
Residence:	North Grafton, Massachusetts
Citizenship:	United States of America
Mailing Address:	33 Morgan Drive
	North Grafton, Massachusetts 01536
1 <u>Lathe Ramaswamy</u>	(name) whose residential address is
was personally present and did'see Ad personally known to me, execute the a	
Signed at <u>\$2 Coding Dr. Southb</u>	
on this day <u>3" Jan</u>	of 20 <u>18</u> . (date of signature)
1 A. Nonesh Kumus	(name) whose residential address is
55 Commons Dr. ART#	07, Shrewsbury MA 01545 el Hanna (name of person Agning the assignment) who is
A. Joneshymmer	(signature of second witness)
Signed at <u>52 Galin Dr. 5</u>	outhborough (location of witness signature)
on this day <u>S^{Yd} JAN</u>	