504988057 07/03/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHARLES S LANGLEY	03/16/2017
MUZHAR KHOKHAR	07/21/2016
MICHAEL G VARTERESIAN	07/21/2016

RECEIVING PARTY DATA

Name:	EMC CORPORATION
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15199169

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 6175235831

Email: timothy.peng@hklaw.com, patentdocketing@hklaw.com

Correspondent Name: HOLLAND & KNIGHT LLP
Address Line 1: 10 SAINT JAMES AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02116

ATTORNEY DOCKET NUMBER:	113454.00218/EMC-16-0270
NAME OF SUBMITTER:	TIMOTHY PENG
SIGNATURE:	/Timothy Peng/
DATE SIGNED:	07/03/2018

Total Attachments: 5

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PATENT REEL: 046258 FRAME: 0635

PATENT/Joint Assignment Docket No.: EMC-16-0270/113454.00218

ASSIGNMENT

WHEREAS, we, <u>Charles S. Langley</u>, <u>Muzhar Khokhar</u>, and <u>Michael G. Varteresian</u>, 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 <u>Automated Analysis System and Method</u> (Application), the specification of which:

[]	is being executed on even date herewith and is about to be filed in the United States Patent Office;
[X]	was filed on June 30, 2016 as U.S. Application No. 15/199,169;
[]	was patented under U.S. Patent No on

WHEREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts 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

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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 hereby authorize our attorneys, EMC Corporation, to insert herein the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

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

PATENT/Joint Assignment Docket No.: EMC-16-0270/113454.00218

Date: 16 Mar 2017	Charles	Soll-
	Inventor's	s Signature //
Print full name of inventor:	Charles S. Langley	us
Residence:	-7710 W. Grand Ave	21072 Hawthorne L
	-Littleton, CO-80123-	Parker, CO 80138
Citizenship:	United States of Americ	
Mailing Address:	Same as above	
above-named Charles S. Campley	2017, then personally ap known to me through sati	sfactory evidence of
identification [] employee identification ca	rd; ∑] driver's license; [be the person whose name	
foregoing Assignment and acknowledged that deed for the purposes therein contained.		
	Notary Public	
MOHEN EDWARD ARCHULETA MOTARY PUBLIC STATE OF COLORADO NOTARY IO 2015/000218 MY COMMISSION EXPIRES, MANUARY \$, 2020	Print Name: <u>Lovers</u> My Commission expires	

PATENT/Joint Assignment Docket No.: EMC-16-0270/113454.00218

Date: * 21/2016	Lu Lu
	łń ventor's Signature
Print full name of inventor:	Muzhar Khokhar
Residence:	15 Brookdale Circle
	Shrewsbury, MA 01545
Citizenship:	India
Mailing Address:	Same as above
On this 2/5 ^T day of Tuly, 2 above-named lidentification employee identification car	20 //e, then personally appeared before me the known to me through satisfactory evidence of d; [X] driver's license; [_] (other) be the person whose name is subscribed to the he/she executed the same as his/her free act and
y .	South-Sirkelley
	Notary Public
	Print Name: Linetto S. Kelloy
en e	My Commission expires 27 L3/ 20/8
	LINETTE S. KELLEY Hotary Public COMMONWEALTH OF MASSACHUSETTS Aly Commission Expires July 13, 2018

Date: <u>7/21/2016</u>	- maleel & Vateresian
	Inventor's Signature
Print full name of inventor:	Michael G. Varteresian
Residence:	52 Middle Street
	Lexington, MA 02421
Citizenship:	United States of America
Mailing Address:	Same as above
STATE/COMMONWEALTH OF COUNTY OF	<u> Massachusetts</u> <u>Middlesex</u>
	, 20/6, then personally appeared before me the known to me through satisfactory evidence of ation card; [] driver's license; [] (other) to be the person whose name is subscribed to the dged that he/she executed the same as his/her free act and ed.
	Little S. Galley
	Notary Public
	Print Name: <u> </u>
	My Commission expires <u>07/13/20</u> /8
	LINETTE S. KELLEY Notary Public COMMONVEALTH OF MASSACHUSETTE My Commission Expires July 13, 2018