

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MUZHAR KHOKHAR	07/26/2016
CHARLES S. LANGLEY	08/22/2016
BRIAN TETREULT	11/16/2017
MATTHEW JEAN	08/16/2016
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:	15199227
CORRESPONDENCE DATA	
Fax Number:	(617)523-6850
<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>	
Phone:	617-523-2700
Email:	patentdocketing@hkclaw.com, toni.sousa@hkclaw.com
Correspondent Name:	HOLLAND & KNIGHT LLP
Address Line 1:	10 ST. JAMES AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02116
ATTORNEY DOCKET NUMBER:	00216/EMC-16-0278
NAME OF SUBMITTER:	TONI M. SOUSA
SIGNATURE:	/TONI M. SOUSA/
DATE SIGNED:	01/25/2018
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, we, Muzhar Khokhar, Charles S. Langley, Brian Tetreault and Matthew Jean, 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 Automated Analysis System and Method (Application), 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 June 30, 2016 as U.S. Application No. 15/199,227;
- was patented under U.S. Patent No. _____ on _____.

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation 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;

AND, we hereby authorize our attorneys, EMC Corporation, to insert here in parenthesis () 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:

Date: 7/26/2016

[Signature]
Inventor's Signature

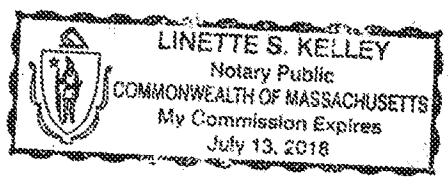
Print full name of inventor: **Muzhar Khokhar**
Residence: **15 Brookdale Circle**
Shrewsbury, MA 01545
Citizenship: **India**
Mailing Address: **Same as above**

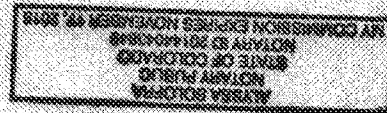
STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 26th day of July, 2016, then personally appeared before me the above-named _____ known to me through satisfactory evidence of identification employee identification card; driver's license; (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]
Notary Public

Print Name: Linette S. Kelley
My Commission expires 07/13/2018





Print Name: Arissa Solofre
Notary Public
Arissa Solofre
My Commission expires 11/28/2018

On this 22 day of August, 2014, then personally appeared before me the above-named Charles S. Langley known to me through satisfactory evidence of identification employee identification card; driver's license; (other) to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

STATE/COMMONWEALTH OF _____
COUNTY OF _____

Print full name of inventor: Charles S. Langley
Residence: 7710 W. Grand Ave
Littleton, CO 80123
Citizenship: United States of America
Mailing Address: Same as above

Inventor's Signature
Charles S. Langley

Date: 22 Aug 2014

Date: Nov 16, 2017

Brian Tetreault
Inventor's Signature

Print full name of inventor: **Brian Tetreault**
Residence: 196 East Street
Upton, MA 01568
Citizenship: United States of America
Mailing Address: Same as above

I, Edward Rae (name of first witness), whose residential address is
6 Francis Dr Upton, MA 01568
was personally present and did see Brian Tetreault (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Edward Rae (signature of first witness)

Signed at 228 South St Hopkinton, MA (location of witness signature)
on this day, 11/16, 2017 (date of signature).

I, Matthew P. Jean (name of second witness), whose residential address is
2 Devarney Ct Shirley, MA 01969
was personally present and did see Brian Tetreault (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Matthew P. Jean (signature of second witness)

Signed at 228 South St Hopkinton MA (location of witness signature)
on this day, 11/16, 2017 (date of signature).

Date: 8/16/2016

Matthew P. Jean
Inventor's Signature

Print full name of inventor: **Matthew Jean**
Residence: **2 Devarney Ct.
Shirley, MA 01464**
Citizenship: **United States of America**
Mailing Address: **Same as above**

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 16th day of August, 2016, then personally appeared before me the above-named Matthew Jean known to me through satisfactory evidence of identification employee identification card; driver's license; (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Linette S. Kelley
Notary Public
Print Name: Linette S. Kelley
My Commission expires 07/13/2018

