

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Samir D. SAKLIKAR	07/12/2011
Aditya KUPPA	07/08/2011
Dennis Ray MOREAU	11/03/2011
Riaz ZOLFONON	06/30/2011
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:	13172979
CORRESPONDENCE DATA	
Fax Number:	(508)366-4688
Phone:	508-616-2900
Email:	docket@bainwoodhuang.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	M. Ari Behar, Esq.
Address Line 1:	Bainwood, Huang & Associates, Inc.
Address Line 2:	2 Connector Road
Address Line 4:	Westborough, MASSACHUSETTS 01581
ATTORNEY DOCKET NUMBER:	1048-078
NAME OF SUBMITTER:	M. Ari Behar, Esq.

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PATENT
REEL: 027168 FRAME: 0611

Total Attachments: 18

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ASSIGNMENT

WHEREAS, we, Samir D. Saklikar, Aditya Kuppa, Dennis Ray Moreau, and Riaz Zolfonoon, 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 **DETECTING ADVANCED PERSISTENT THREATS** 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, 2011 as U.S. Application No. 13/172,979;

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, USA 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 Bainwood Huang & Associates LLC to insert here in parentheses (_____) 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: 12/07/2011



Inventor's Signature

Print full name of first inventor: Samir D. Saklikar
Residence: H#32, Saraswathi Nilaya, S G Palya
C V Raman Nagar
Bangalore, Karnataka 560093 INDIA
Citizenship: India
Mailing Address: Same as above

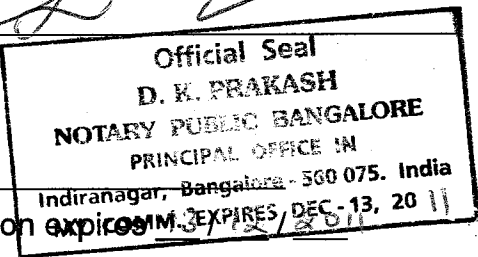
Venue: Bangalore, India.

On this 12 day of July, 2011, then personally appeared before me the above-named **Samir D. Saklikar** known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) No. 97054 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.

Notary Public

Print Name:

My Commission expires



12 JUL 2011

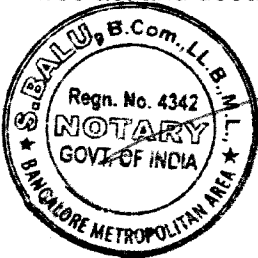
Date: 8/7/2011

[Signature]
Inventor's Signature

Print full name of second inventor: Aditya Kuppa
Residence: 259/A2 7th Cross, 27th Main, HSR Layout
Bangalore, Karnataka 560029 INDIA
Citizenship: India
Mailing Address: Same as above

Venue: Bangalore

On this 8 day of 7, 2011, then personally appeared before me the above-named **Aditya Kuppa** known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) Company I D Card 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]
S. BALU, B.Com., LL.B.
Notary Public
NOTARY
GOVT OF INDIA
Regn. No. 4342
100, First Cross, 2nd Main Road
HAL 3rd Stage BANGALORE. 560078

8 JUL 2011

Print Name:
My Commission expires **MY COMMISSION EXPIRES ON: 23-07-2012**

Date: _____

Inventor's Signature

Print full name of third inventor: Dennis Ray Moreau
Residence: 75 Orchard Avenue, Apt. 3
Providence, RI 02906
Citizenship: United States of America
Mailing Address: Same as above

STATE/Commonwealth of _____
COUNTY OF _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Dennis Ray Moreau** 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.

Notary Public

Print Name:

My Commission expires ___ / ___ / ___

Date: _____

Inventor's Signature

Print full name of fourth inventor: Riaz Zolfonoon
Residence: 152 Annursnac Hill Rd., Concord, MA 01742
Citizenship: United States of America
Mailing Address: Same as above

STATE/Commonwealth of _____
COUNTY OF _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Riaz Zolfonoon** 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.

Notary Public

Print Name:

My Commission expires ___ / ___ / ___

ASSIGNMENT

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- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on June 30, 2011 as U.S. Application No. 13/172 979;
- 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, USA 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;

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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:

Samir D. Saklikar

Residence:

H#32, Saraswathi Nilaya, S G Palya

C V Raman Nagar

Bangalore, Karnataka 560093 INDIA

Citizenship:

India

Mailing Address:

Same as above

Venue: _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Samir D. Saklikar** 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.

Notary Public

Print Name:

My Commission expires ___ / ___ / ___

Date: _____

Inventor's Signature

Print full name of second inventor:

Aditya Kuppa

Residence:

259/A2 7th Cross, 27th Main, HSR Layout
Bangalore, Karnataka 560029 INDIA

Citizenship:

India

Mailing Address:

Same as above

Venue: _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Aditya Kuppa** 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.

Notary Public

Print Name:

My Commission expires ___ / ___ / ___

Date: 11-3-2011

[Signature]
Inventor's Signature


Print full name of third inventor: Dennis Ray Moreau
Residence: 75 Orchard Avenue, Apt. 3
Providence, RI 02906
Citizenship: United States of America
Mailing Address: Same as above

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 3 day of November, 2011, then personally appeared before me the above-named **Dennis Ray Moreau** 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: Deanna M. Goodwin
My Commission expires 10/24/2014

 DEANNA M. GOODWIN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 24, 2014

Date: _____

Inventor's Signature

Print full name of fourth inventor: Riaz Zolfonoon
Residence: 152 Annursnac Hill Rd., Concord, MA 01742
Citizenship: United States of America
Mailing Address: Same as above

STATE/Commonwealth of _____
COUNTY OF _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Riaz Zolfonoon** 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.

Notary Public

Print Name:

My Commission expires ___ / ___ / ___

ASSIGNMENT

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- was filed on June 30, 2011 as U.S. Application No. 13/172,979;
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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 Bainwood Huang & Associates LLC to insert here in parentheses (_____) 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: _____

Inventor's Signature

Print full name of first inventor:

Samir D. Saklikar

Residence:

H#32, Saraswathi Nilaya, S G Palya

C V Raman Nagar

Bangalore, Karnataka 560093 INDIA

Citizenship:

India

Mailing Address:

Same as above

Venue: _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Samir D. Saklikar** 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.

Notary Public

Print Name:

My Commission expires ___ / ___ / ___

Date: _____

Inventor's Signature

Print full name of second inventor:

Aditya Kuppa

Residence:

259/A2 7th Cross, 27th Main, HSR Layout
Bangalore, Karnataka 560029 INDIA

Citizenship:

India

Mailing Address:

Same as above

Venue: _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Aditya Kuppa** 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.

Notary Public

Print Name:

My Commission expires ___ / ___ / ___

Date: _____

Inventor's Signature

Print full name of third inventor: Dennis Ray Moreau
Residence: 75 Orchard Avenue, Apt. 3
Providence, RI 02906
Citizenship: United States of America
Mailing Address: Same as above

STATE/Commonwealth of _____
COUNTY OF _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Dennis Ray Moreau** 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.

Notary Public

Print Name:

My Commission expires ___ / ___ / ___

Date: 6/30/2011

RZF
Inventor's Signature

Print full name of fourth inventor: Riaz Zolfonoon
Residence: 152 Annursnac Hill Rd., Concord, MA 01742
Citizenship: United States of America
Mailing Address: Same as above

STATE/Commonwealth of Mass
COUNTY OF Middlesex

On this 30 day of June, 2011, then personally appeared before me the above-named **Riaz Zolfonoon** 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.

Deanna M. Goodwin
Notary Public

Print Name: Deanna M. Goodwin
My Commission expires 10/24/2014

