

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert W. GRIFFIN</td> <td>12/23/2010</td> </tr> <tr> <td>Daniel BAILEY</td> <td>12/22/2010</td> </tr> <tr> <td>Joshua ROSENTHOL</td> <td>12/28/2010</td> </tr> </tbody> </table>		Name	Execution Date	Robert W. GRIFFIN	12/23/2010	Daniel BAILEY	12/22/2010	Joshua ROSENTHOL	12/28/2010
Name	Execution Date								
Robert W. GRIFFIN	12/23/2010								
Daniel BAILEY	12/22/2010								
Joshua ROSENTHOL	12/28/2010								
RECEIVING PARTY DATA									
Name:	EMC Corporation								
Street Address:	176 South Street								
City:	Hopkinton								
State/Country:	MASSACHUSETTS								
Postal Code:	01748								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12980421</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12980421				
Property Type	Number								
Application Number:	12980421								
CORRESPONDENCE DATA									
Fax Number:	(508)366-4688								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	508-616-2900								
Email:	docket@bainwoodhuang.com								
Correspondent Name:	David E. Huang, Esquire								
Address Line 1:	Bainwood, Huang & Associates, Inc.								
Address Line 2:	2 Connector Road								
Address Line 4:	Westborough, MASSACHUSETTS 01581								
ATTORNEY DOCKET NUMBER:	1048-060								
NAME OF SUBMITTER:	David E. Huang, Esq.								

Total Attachments: 10
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ASSIGNMENT

WHEREAS, we, Robert W. Griffin, Daniel Bailey, and Joshua Rosenthol 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 **TOKENIZATION OF MULTIPLE-FIELD RECORDS** 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 _____ as U.S. Application No. _____;
- 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 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 (12/980,421 December 09, 2010) 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: 12/23/2010

Robert W. Griffin
Inventor's Signature

Print full name of first inventor: Robert W. Griffin
Residence: 69 Broad Street, Hollis, NH, 03049
Citizenship: US
Mailing Address: PO Box 897, Hollis, NH, 03049

STATE/Commonwealth of New Hampshire
COUNTY OF Hillsborough

On this 23rd day of December, 2010, then personally appeared before me the above-named **Robert W. Griffin** known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) Robert W. Griffin 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.

Kristen Caizzi
Notary Public

Print Name:

KRISTEN CAIZZI
Notary Public
My Commission expires  Commonwealth of Massachusetts
My Commission Expires
April 20, 2012

Date: 12-22-10

Dal BJ
Inventor's Signature

Print full name of second inventor: Daniel Bailey
Residence: 35 High Street, Pepperell, MA, 01463
Citizenship: US
Mailing Address: Same as above

STATE/Commonwealth OF Massachusetts
COUNTY OF Middlesex

On this 22nd day of December, 2010, then personally appeared before me the above-named **Daniel Bailey** known to me through satisfactory evidence of identification employee identification card; driver's license; (other) Daniel Bailey 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.

Kristen Caizzi
Notary Public

Print Name:

Kristen Caizzi

My Commission expires 4/20/2012



KRISTEN CAIZZI
Notary Public
Commonwealth of Massachusetts
My Commission Expires
April 20, 2012

Date: _____

Inventor's Signature

Print full name of third inventor: Joshua Rosenthol
Residence: 13980 Lightburn Lane, Centreville, VA,
20121
Citizenship: US
Mailing Address: Same as above

STATE/Commonwealth of _____
COUNTY OF _____

On this _____ day of _____, 2010, then personally appeared before me the above-named **Joshua Rosenthol** 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 _____ as U.S. Application No. _____;
- 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 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 (12/980,421 December 29, 2010) 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: Robert W. Griffin
Residence: 69 Broad Street, Hollis, NH, 03049
Citizenship: US
Mailing Address: PO Box 897, Hollis, NH, 03049

STATE/Commonwealth of _____
COUNTY OF _____

On this _____ day of _____, 2010, then personally appeared before me the above-named **Robert W. Griffin** 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: Daniel Bailey
Residence: 35 High Street, Pepperell, MA, 01463
Citizenship: US
Mailing Address: Same as above

STATE/COMMONWEALTH OF _____
COUNTY OF _____

On this _____ day of _____, 2010, then personally appeared before me the above-named **Daniel Bailey** 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: Dec 28, 2010

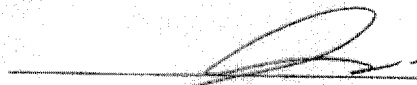


Inventor's Signature

Print full name of third inventor: Joshua Rosenthol
Residence: 13980 Lightburn Lane, Centreville, VA,
20121
Citizenship: US
Mailing Address: Same as above

STATE/Commonwealth of Virginia
COUNTY OF Fairfax

On this 28th day of December, 2010, then personally appeared before me the above-named **Joshua Rosenthol** 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:
Silvia B. Rodriguez
My Commission expires 05/31/2011

