

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Mark O'Connell</td><td>06/25/2008</td></tr><tr><td>Michael Kilian</td><td>06/16/2008</td></tr></tbody></table>  | Name             | Execution Date  | Mark O'Connell      | 06/25/2008       | Michael Kilian | 06/16/2008 |                |               |              |       |  |
| Name   | Execution Date   |                 |                     |                  |                |            |                |               |              |       |  |
| Mark O'Connell   | 06/25/2008       |                 |                     |                  |                |            |                |               |              |       |  |
| Michael Kilian   | 06/16/2008       |                 |                     |                  |                |            |                |               |              |       |  |
| RECEIVING PARTY DATA   |                  |                 |                     |                  |                |            |                |               |              |       |  |
| <table border="1"><tr><td>Name:</td><td>EMC Corporation</td></tr><tr><td>Street Address:</td><td>176 South Street</td></tr><tr><td>City:</td><td>Hopkinton</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>01748</td></tr></table> | Name:            | EMC Corporation | Street Address:     | 176 South Street | City:          | Hopkinton  | State/Country: | MASSACHUSETTS | Postal Code: | 01748 |  |
| 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>12059688</td></tr></tbody></table>   | Property Type    | Number          | Application Number: | 12059688         |                |            |                |               |              |       |  |
| Property Type  | Number           |                 |                     |                  |                |            |                |               |              |       |  |
| Application Number:  | 12059688         |                 |                     |                  |                |            |                |               |              |       |  |
| CORRESPONDENCE DATA  |                  |                 |                     |                  |                |            |                |               |              |       |  |
| Fax Number: (617)646-8646<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |                  |                 |                     |                  |                |            |                |               |              |       |  |
| Phone: 617-646-8000  |                  |                 |                     |                  |                |            |                |               |              |       |  |
| Email: atrendell@wolfgreenfield.com  |                  |                 |                     |                  |                |            |                |               |              |       |  |
| Correspondent Name: Wolf Greenfield & Sacks, P.C.  |                  |                 |                     |                  |                |            |                |               |              |       |  |
| Address Line 1: 600 Atlantic Avenue  |                  |                 |                     |                  |                |            |                |               |              |       |  |
| Address Line 4: Boston, MASSACHUSETTS 02210  |                  |                 |                     |                  |                |            |                |               |              |       |  |
| ATTORNEY DOCKET NUMBER:  | E0295.70345US00  |                 |                     |                  |                |            |                |               |              |       |  |
| NAME OF SUBMITTER:   | Scott J. Gerwin  |                 |                     |                  |                |            |                |               |              |       |  |
| Total Attachments: 6<br>source=E029570345US00#page1.tif<br>source=E029570345US00#page2.tif<br>source=E029570345US00#page3.tif  |                  |                 |                     |                  |                |            |                |               |              |       |  |

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Attorney Docket No. E0295.70345US00

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**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Assignors hereby:

1. Sell, assign and transfer to EMC Corporation, a Massachusetts corporation having a place of business at 176 South Street; Hopkinton, Massachusetts 01748, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, our entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on March 31, 2008 under No. 12/059,688, bearing Attorney Docket No. E0295.70345US00, and entitled ASSOCIATING AN IDENTIFIER WITH A CONTENT UNIT, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to Japan and Korea, on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

1304003.1

*M00*

This instrument is executed under seal.

6/25/08  
Date

Mark O'Connell  
Inventor: Mark O'Connell  
Address: Wijngaardstraat 33  
2800 Mechelen  
BELGIUM  
Citizenship: US

I TAN LEYSEN (name) whose residential address is  
AUGUST VAN PUTTE 117 2150 BORSBEK  
was personally present and did see Mark O'Connell (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at MECHELEN, BELGIUM (location of witness signature)

on this day 25th JUNE of 2008. (date of signature)

I ANNE-MARIE VANDOSTERHOUT (name) whose residential address is  
KRONENBURG STRAAT 27 BUS 221 2000 ANTWERPEN, BELGIUM  
was personally present and did see Mark O'Connell (name of person signing the assignment)  
who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)

Signed at MECHELEN, BELGIUM (location of witness signature)

on this day June 25 of 2008. (date of signature)

MOC

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Michael Kilian

Address: 25 Candleberry Lane  
Harvard, MA 01451

Citizenship: US

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, the undersigned notary public,  
personally appeared \_\_\_\_\_ Michael Kilian \_\_\_\_\_, proved to me through satisfactory evidence of  
identification, which were \_\_\_\_\_,  
to be the person who signed the preceding or attached document in my presence and swore or affirmed  
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge  
and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

*Möa*

**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Assignors hereby:

1. Sell, assign and transfer to EMC Corporation, a Massachusetts corporation having a place of business at 176 South Street; Hopkinton, Massachusetts 01748, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, our entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on March 31, 2008 under No. 12/059,688, bearing Attorney Docket No. E0295.70345US00, and entitled ASSOCIATING AN IDENTIFIER WITH A CONTENT UNIT, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to Japan and Korea, on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal.

Date \_\_\_\_\_

Inventor: Mark O'Connell

Address: Wijngaardstraat 33

764579 Mechelen

BELGIUM

Citizenship: US

STATE/Commonwealth of \_\_\_\_\_ :

County of \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that he signed it voluntarily for its stated purpose.

SEAL \_\_\_\_\_  
Notary Public  
My commission expires \_\_\_\_\_

6/16/08  
Date

Michael Kilian  
Inventor: Michael Kilian  
Address: 25 Candleberry Lane  
Harvard, MA 01451  
Citizenship: US

COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF Worcester:

On this 16<sup>th</sup> day of June, 2008, before me, the undersigned notary public, personally appeared Michael Kilian, proved to me through satisfactory evidence of identification, which were Massachusetts driver's license, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Nancy R. Lovejoy  
Notary Public

My commission expires: \_\_\_\_\_

Nancy R. Lovejoy  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
July 14, 2011