

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jidong Chen	05/04/2010
Hang Guo	05/04/2010
David Stephen Reiner	05/06/2010

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:	12751405

CORRESPONDENCE DATA

Fax Number: (516)759-9512  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 516-759-2722  
Email: nyoffice@rml-law.com  
Correspondent Name: Ryan, Mason & Lewis, LLP  
Address Line 1: 90 Forest Avenue  
Address Line 2: Joseph B. Ryan  
Address Line 4: Locust Valley, NEW YORK 11560

ATTORNEY DOCKET NUMBER:

4414-70

NAME OF SUBMITTER:

Joseph B. Ryan

Total Attachments: 8

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PATENT  
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## ASSIGNMENT

**WHEREAS**, we, Jidong Chen, Hang Guo and David Stephen Reiner 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 **TASK DRIVEN CONTEXT-AWARE SEARCH**, 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 March 31, 2010 as U.S. Application No. 12/751,405;
- ☐ 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.

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

May 4th, 2010  
Date

Jidong Chen  
Jidong Chen

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Jidong Chen, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

May 4th, 2010  
Date

Daniel E. Finn  
Name  
[Signature]  
Signature

Witness 2:

5/4/2010  
Date

Gus AMEGADZIE  
Name  
[Signature]  
Signature

May 4th, 2010  
Date

Hang Guo  
Hang Guo

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Hang Guo, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

May 4th, 2010  
Date

Daniel E. Finn  
Name  
[Signature]  
Signature

Witness 2:

5/4/2010  
Date

Gus AMEGADZIE  
Name  
[Signature]  
Signature

Date:

\_\_\_\_\_  
Inventor's Signature

Print full name of third inventor:

David Stephen Reiner

Residence:

Lexington, Massachusetts

Citizenship:

United States of America

Mailing Address:

7 Russell Road

Lexington, Massachusetts 02420

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

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, 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.

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

Print Name: \_\_\_\_\_

My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

### ASSIGNMENT

**WHEREAS**, we, Jidong Chen, Hang Guo and David Stephen Reiner 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 **TASK DRIVEN CONTEXT-AWARE SEARCH**, the specification of which:

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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.

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

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jidong Chen

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Jidong Chen, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Witness 2:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature



\_\_\_\_\_  
Date

\_\_\_\_\_  
Hang Guo

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, before me personally came Hang Guo, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Witness 2:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Date: May 6, 2010

David Stephen Reiner  
Inventor's Signature

Print full name of third inventor:

David Stephen Reiner

Residence:

Lexington, Massachusetts

Citizenship:

United States of America

Mailing Address:

7 Russell Road

Lexington, Massachusetts 02420

STATE/Commonwealth of  
COUNTY OF

COMMONWEALTH OF MASSACHUSETTS  
MIDDLESEX

On this 6 day of MAY, 2010, then personally appeared before me the  
above-named DAVID STEPHEN REINER known to me through satisfactory evidence of  
identification ☐ employee identification card; ☐ driver's license; ☒ (other)  
PERSONALLY KNOWN TO ME 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.

Sandra A. Kulaga  
Notary Public

Print Name: \_\_\_\_\_

My Commission expires \_\_\_\_\_

