

PATENT ASSIGNMENT COVER SHEET

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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>DONG XIANG</td> <td>09/25/2013</td> </tr> <tr> <td>STEPHEN TODD</td> <td>01/09/2014</td> </tr> <tr> <td>QIYAN CHEN</td> <td>09/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	DONG XIANG	09/25/2013	STEPHEN TODD	01/09/2014	QIYAN CHEN	09/25/2013
Name	Execution Date								
DONG XIANG	09/25/2013								
STEPHEN TODD	01/09/2014								
QIYAN CHEN	09/25/2013								
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>14039537</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14039537				
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Application Number:	14039537								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	EMC-13-0061								
NAME OF SUBMITTER:	WILLIAM E. LEWIS								
Signature:	/william e. lewis/								

Date:

01/09/2014

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we, Dong Xiang, Stephen Todd and Qiyan Chen, 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 **LINEAGE INFORMATION MANAGEMENT IN DATA ANALYTICS**, 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.

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

Date: sep 25, 2013

Dong Xiang
Inventor's Signature

Print full name of first inventor:

Dong Xiang

Residence:

Shanghai, China

Citizenship:

China

Mailing Address:

Room 901, Building 1
No. 1128 XuChang Road, Yangpu District
Shanghai, China 200092

Sep 25, 2013

Date

万林涛
Witness #1 Signature

万林涛
Witness #1 Print Name

Sep 25, 2013

Date

郭峰
Witness #2 Signature

郭峰
Witness #2 Print Name

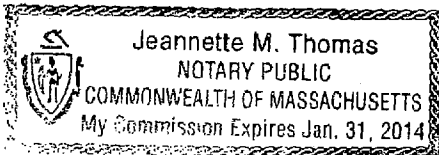
Date: Jan 9, 2013

Stephen Todd
Inventor's Signature

Print full name of second inventor: Stephen Todd
Residence: Shrewsbury, Massachusetts
Citizenship: United States of America
Mailing Address: 36 Thomas Farm Circle
Shrewsbury, Massachusetts 01545

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 9th day of January, 2014, then personally appeared before me the above-named Stephen Todd known to me through satisfactory evidence of identification employee identification card; driver's license; (other) personally known 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.



Jeannette M. Thomas
Notary Public
Print Name: Jeannette M. Thomas
My Commission expires 1/31/2014

Date: Sep 25, 2013

陈奇彦
Inventor's Signature

Print full name of third inventor:

Qiyen Chen

Residence:

Shanghai, China

Citizenship:

China

Mailing Address:

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Zaozhuang Road
Shanghai, China 200136

Sep 25, 2013
Date

石林涛
Witness #1 Signature

石林涛
Witness #1 Print Name

Sep 25, 2013
Date

郭峰
Witness #2 Signature

郭峰
Witness #2 Print Name