

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2721033

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>DAN AHARONI</td> <td>01/08/2014</td> </tr> <tr> <td>HUI WANG</td> <td>01/08/2014</td> </tr> <tr> <td>GIL RATSABY</td> <td>01/10/2014</td> </tr> <tr> <td>HAGAY DAGAN</td> <td>01/04/2014</td> </tr> <tr> <td>AMNON NAAMAD</td> <td>01/02/2014</td> </tr> </tbody> </table>		Name	Execution Date	DAN AHARONI	01/08/2014	HUI WANG	01/08/2014	GIL RATSABY	01/10/2014	HAGAY DAGAN	01/04/2014	AMNON NAAMAD	01/02/2014
Name	Execution Date												
DAN AHARONI	01/08/2014												
HUI WANG	01/08/2014												
GIL RATSABY	01/10/2014												
HAGAY DAGAN	01/04/2014												
AMNON NAAMAD	01/02/2014												
RECEIVING PARTY DATA													
Name:	EMC CORPORATION												
Street Address:	176 MAIN 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>14141376</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14141376								
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Application Number:	14141376												
CORRESPONDENCE DATA													
Fax Number:													
Email:	aes@westboro-ip.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	ANNE SATURNELLI												
Address Line 1:	MUIRHEAD AND SATURELLI, LLC												
Address Line 2:	200 FRIBERG PARKWAY, SUITE 1001												
Address Line 4:	WESTBOROUGH, MASSACHUSETTS 01581												
NAME OF SUBMITTER:	ANNE E SATURNELLI												
Signature:	/anne e saturnelli/												

Date:

02/10/2014

**Total Attachments: 6**

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ASSIGNMENT

WHEREAS, we, Dan AHARONI, Hui WANG, Gil RATSABY, Hagay DAGAN and Amnon NAAMAD 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 **TECHNIQUES FOR DETERMINING WORKLOAD SKEW**, 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 December 26, 2013 as U.S. Application No. 14/141,376;
- 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 attorneys of Muirhead and Saturnelli, LLC to insert here in parenthesis ( ) 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: 1/8/2014

Dan Aharoni  
Inventor's Signature

Print full name of first inventor: **Dan AHARONI**  
Residence: 47 Winchester Street, #1  
Brookline, MA 02446  
Citizenship: USA/Israel  
Mailing Address: Same

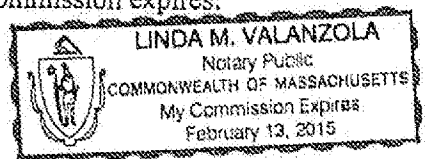
COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF Middlesex

On this 8 day of January, 2014, then personally appeared before me the above-named **Dan AHARONI** 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.

Linda M. Valanzola  
Notary Public

Print Name: Linda M. Valanzola

My Commission expires:



Date: 1/8/2014

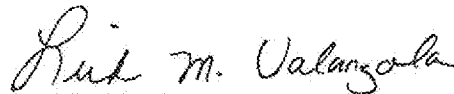


Inventor's Signature

Print full name of second inventor: **Hui WANG**  
Residence: 60 South Street  
Upton, MA 01568  
Citizenship: USA  
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF Middlesex

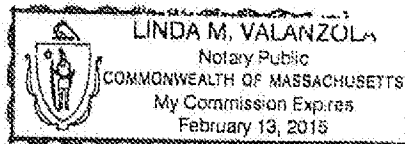
On this 8 day of January, 2014, then personally appeared before me the above-named **Hui WANG** known to me through satisfactory evidence of identification  employee identification card;  driver's license;  (other) \_\_\_\_\_  
\_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.



Notary Public

Print Name: Linda M. Valanzola

My Commission expires:



Date: 1/10/14

Gil Ratsaby  
Inventor's Signature

Print full name of third inventor: **GIL RATSABY**  
Residence: Opal Street 31, Mevaseret Zion  
ISRAEL  
Citizenship: Israel  
Mailing Address: Same

I Yael Benny (name) whose residential address is Izrahk Sade 4, Rishon LeZion was personally present and did see Gil Ratsaby (name of person signing the assignment) who is personally known to me, execute the above assignment.

Yael Benny (signature of first witness)

Signed at Izrahk Sade 4, Rishon LeZion (location of witness signature)

on this day 1/10 of 20 14 (date of signature)

I Alexei Baskin (name) whose residential address is ha-Na'arik 30, Be'er Sheva, Israel was personally present and did see Gil Ratsaby (name of person signing the assignment) who is personally known to me, execute the above assignment.

Alexei Baskin (signature of second witness)

Signed at Izrahk Sade 4, Rishon LeZion (location of witness signature)

on this day 1/10 of 20 14 (date of signature)

Date: 1/4/2014

[Signature]  
Inventor's Signature

Print full name of fourth inventor: **Hagay DAGAN**  
Residence: 140 Hameyasdim, Pardes Hanna-Karkur  
3713472, Israel  
Citizenship: Israel  
Mailing Address: Same as above

I DALYA KAPLAN (name) whose residential address is MOSHAV TALME ELIYAHU, MESHUK 28, ISRAEL was personally present and did see HAGAY DAGAN (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)  
Signed at 140 HAMEYASDIM PARDES HANNA KARKUR (location of witness signature)  
on this day January 4th of 2014. (date of signature)

I LIMOR DAGAN (name) whose residential address is 140 HAMEYASDIM, PARDES HANNA-KARKUR, ISRAEL was personally present and did see HAGAY DAGAN (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)  
Signed at 140 HAMEYSDIM PARDSS HANNA (location of witness signature)  
on this day January 4th of 2014. (date of signature)

Date: 1/2/2014

Amnon Naamad  
Inventor's Signature

Print full name of fifth inventor: **Amnon NAAMAD**  
Residence: 84 Beals Street, Unit 2  
Brookline, MA 02446  
Citizenship: USA  
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF Middlesex

On this 2<sup>nd</sup> day of January, 2014, then personally appeared before me the above-named **Amnon NAAMAD** 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

