

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3033764

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STALIN SARAVANAKUMAR THANGAPALAM	06/30/2014
KATAKAM GANGADHAR	06/30/2014
SANTHOSH LAKSHMANAN	06/30/2014
SELVAMANICKAM ANBALAGAN	06/30/2014
ANOOP GEORGE NINAN	07/28/2014
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:	14319797
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	508-435-1000
Email:	Docketing@emc.com
Correspondent Name:	EMC CORPORATION
Address Line 1:	176 SOUTH STREET
Address Line 4:	HOPKINTON, MASSACHUSETTS 01748
ATTORNEY DOCKET NUMBER:	EMC-14-0236
NAME OF SUBMITTER:	GERALD P. KAZANJIAN
SIGNATURE:	/Gerald P. Kazanjian/
DATE SIGNED:	09/23/2014
Total Attachments: 7	
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ASSIGNMENT

WHEREAS, we, Stalin Saravanakumar Thangapalam, Katakam Gangadhar, Santhosh Lakshmanan, Selvamanickam Anbalagan, and Anoop Ninan, 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 METHOD AND APPARATUS FOR AUTOMATED SELECTION OF A STORAGE GROUP FOR STORAGE TIERING (Application), the specification of which:

- ☒ [X] 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

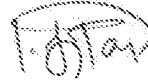
the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent 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, EMC Corporation, to insert here in parenthesis (US Patent Application Serial No. 14/319,797 filed June 30, 2014) 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: 06/30/14



Inventor's Signature

Print full name of inventor:

Stalin Saravanakumar Thangapalam

Residence:

34 Yorkshire Terrace, Apt. 3
Shrewsbury, Massachusetts 01545 USA

Citizenship:

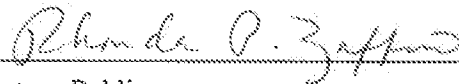
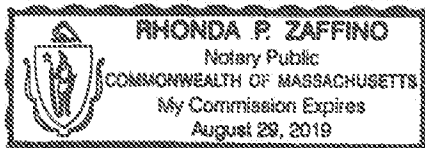
INDIA

Mailing Address:

Same as above

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 30th day of June, 2014, then personally appeared before me the above-named **Stalin Saravanakumar Thangapalam** 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.



Notary Public

Print Name: Rhonda P. Zaffino

My Commission expires 08/29/2019

Date: 30-06-2014

K. Gangadhar

Inventor's Signature

Print full name of inventor

Katakam Gangadhar

Residence

60/4, Satrit Villa, KSRTC Layout, Chikkalasandra

Bangalore, Karnataka 560061 India

Citizenship

India

Mailing Address

Same as above

I, MA Rajeshwari (name of first witness), whose residential address is #39, Halcyon Defence Enclave, Yelahanka Bangalore 562149
was personally present and did see Katakam Gangadhar (name of person signing the assignment), who is personally known to me, execute the above assignment.

MA Rajeshwari (signature of first witness)
Signed at Bangalore (location of witness signature)
on this day, 30 June, 20 14 (date of signature).

I, Anil Arun Degwekar (name of second witness), whose residential address is 201 Supriya Mem Apt 4th Cr Dorpanahalli Indiranagar Bangalore 560028
was personally present and did see Katakam Gangadhar (name of person signing the assignment), who is personally known to me, execute the above assignment.

As Degwekar (signature of second witness)
Signed at Bangalore (location of witness signature)
on this day, 30th June, 20 14 (date of signature).

Date: 30 JUNE 2014

L. Santhosh

Inventor's Signature

Print full name of inventor

Santhosh Lakshmanan

Residence

2/231, Kumangal Kuda Oonjappalayam

Namakkal 637214 India

Citizenship

India

Mailing Address

Same as above

I, MA Rajeshwari (name of first witness), whose residential address is
#39, Halcyon Defence Enclave, Yelabanka Bagalur, Bangalore 562149
was personally present and did see Santhosh Lakshmanan (name of person signing the
assignment), who is personally known to me, execute the above assignment.

MA Rajeshwari (signature of first witness)

Signed at Bangalore (location of witness signature)

on this day, 30 June, 2014 (date of signature).

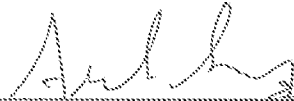
I, Anil Anur Desweta (name of second witness), whose residential address is
201 Supriya Men Apt 4th Cr Deepanahalli Indiranagar Bangalore 560028
was personally present and did see Santhosh Lakshmanan (name of person signing the
assignment), who is personally known to me, execute the above assignment.

Anil Desweta (signature of second witness)

Signed at Bangalore (location of witness signature)

on this day, 30th June, 2014 (date of signature).

Date: 30-06-2014



Inventor's Signature

Print full name of inventor

Selvamanickam Anbalagan

Residence

321, North Masi Street

Madurai, Tamilnadu 625001 India

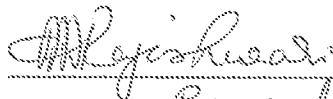
Citizenship

India

Mailing Address

Same as above

I, MA Rajeshwari (name of first witness), whose residential address is
#39, Halcyon Defence Enclave, Yelahanka Bangalore, Bangalore 56249
was personally present and did see Selvamanickam Anbalagan (name of person signing the
assignment), who is personally known to me, execute the above assignment.

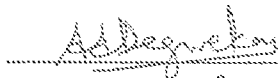


(signature of first witness)

Signed at Bangalore (location of witness signature)

on this day, 30 June, 2014 (date of signature).

I, Anil Arun Degrekar (name of second witness), whose residential address is
2nd Supriya Men Apt 4th Cr Durgamahalli Indiranagar Bangalore 56008
was personally present and did see Selvamanickam Anbalagan (name of person signing the
assignment), who is personally known to me, execute the above assignment.



(signature of second witness)

Signed at Bangalore (location of witness signature)

on this day, 30th June, 2014 (date of signature).

Date: 07 | 28 | 2014


Inventor's Signature

Print full name of inventor:

George
Anoop Ninan

Residence:

13 Purdue Drive
Milford, Massachusetts 01757 USA

Citizenship:

India

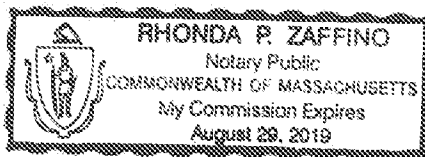
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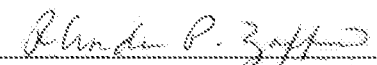
Same as above

STATE/Commonwealth of
COUNTY OF

Massachusetts
Middlesex

On this 28th day of July, 2014, then personally appeared before me the above-named Anoop Ninan 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: Rhonda P. Zaffino

My Commission expires 08 / 28 / 2019