

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3153960

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SATHYANARAYAN JAGANATHAN	10/01/2014
HANA MORESHET	10/02/2014
AVRAHAM NASH	10/01/2014
NING WU	10/01/2014
DEEPAK VOKALIGA	10/01/2014
JAYAPPAUL PAUL	10/01/2014
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:	14498093
CORRESPONDENCE DATA	
Fax Number:	(508)898-8602
<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:	5088988601
Email:	docketing@westboro-ip.com
Correspondent Name:	MUIRHEAD AND SATURNELLI, LLC
Address Line 1:	200 FRIBERG PARKWAY
Address Line 2:	SUITE 1001
Address Line 4:	WESTBOROUGH, MASSACHUSETTS 01581
ATTORNEY DOCKET NUMBER:	EMS-568US
NAME OF SUBMITTER:	DONALD W. MUIRHEAD
SIGNATURE:	/Donald W. Muirhead/
DATE SIGNED:	12/18/2014
Total Attachments: 7	

PATENT

source=EMS-568US, Assignment#page1.tif
source=EMS-568US, Assignment#page2.tif
source=EMS-568US, Assignment#page3.tif
source=EMS-568US, Assignment#page4.tif
source=EMS-568US, Assignment#page5.tif
source=EMS-568US, Assignment#page6.tif
source=EMS-568US, Assignment#page7.tif

ASSIGNMENT

WHEREAS, we, Sathyanarayan JAGANATHAN, Hana MORESHET, Avraham NASH, Ning WU, Deepak VOKALIGA and Jayapaul PAUL, 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 **TARGETLESS SNAPSHOTS**, 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 September 26, 2014 as U.S. Application No. 14/498,093;
- 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;

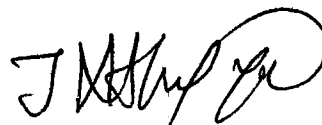
AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, 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: 10/1/2014



Inventor's Signature

Print full name of first inventor:

Sathyanarayan JAGANATHAN

Residence:

350 Grafton Street
Shrewsbury, MA 01545

Citizenship:

India

Mailing Address:

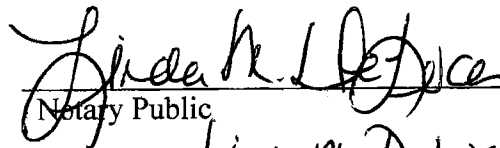
Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF Norfolk

On this 1st day of October, 2014, then personally appeared before me the above-named **Sathyanarayan JAGANATHAN** known to me through satisfactory evidence of identification employee identification card; driver's license; (other)

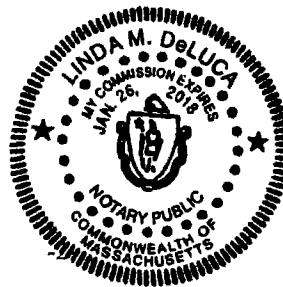
to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.



Notary Public

Print Name: Linda M. DeLuca

My Commission expires: January 26, 2015



Date: 10/2/2014

[Signature]
Inventor's Signature

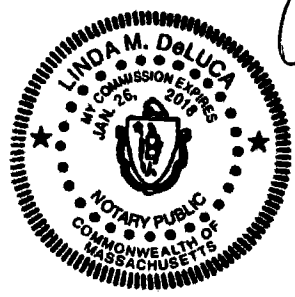
Print full name of second inventor:
Residence:
Citizenship:
Mailing Address:

Hana MORESHET
15 Bellwood Way
Framingham, MA 01701
USA
Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Norfolk

On this 2nd day of September, 2014, then personally appeared before me the above-named **Hana MORESHET** 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.

[Signature]
Notary Public
Print Name: Linda M. DeLuca
My Commission expires: January 26, 2018



Date: 10/1/2014

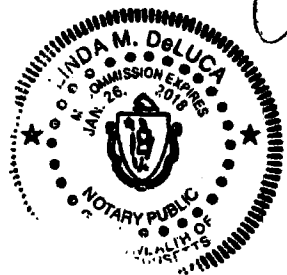
Avraham NASH
Inventor's Signature

Print full name of third inventor: **Avraham NASH**
Residence: 5 Essex Street
Lexington, MA 02421
Citizenship: USA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Norfolk

On this 1st day of October, 2014, then personally appeared before me the above-named **Avraham NASH** 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. DeLuca
Notary Public
Print Name: Linda M. DeLuca
My Commission expires: January 26, 2018



Date: 10/1/2014

Ning
Inventor's Signature

Print full name of fourth inventor:
Residence:
Citizenship:
Mailing Address:

Ning WU
2 Thaddeus Mason Road
Northborough, MA 01532
USA
Same

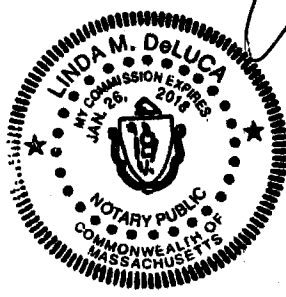
COMMONWEALTH OF MASSACHUSETTS
COUNTY OF *Norfolk*

On this 1st day of ~~September~~ *October*, 2014, then personally appeared before me the above-named **Ning WU** 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 DeLuca
Notary Public

Print Name: *Linda M DeLuca*

My Commission expires: *January 26, 2015*



Date: 10/1/2014

[Signature]
Inventor's Signature

Print full name of fifth inventor:
Residence:
Citizenship:
Mailing Address:

Deepak VOKALIGA
205 Windsor Ridge Drive
Westborough, MA 01581
India
Same

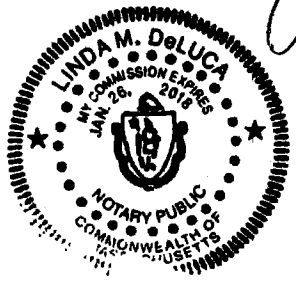
COMMONWEALTH OF MASSACHUSETTS
COUNTY OF Norfolk

On this 1st day of October, 2014, then personally appeared before me the above-named **Deepak VOKALIGA** 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.

[Signature]
Notary Public

Print Name: Linda M. DeLuca

My Commission expires: January 26, 2018



Date: 10/1/2014



Inventor's Signature

Print full name of sixth inventor:

Jayapaul PAUL

Residence:

99, 3rd cross, Sairam layout, TC Palya
Bangalore, Karnataka 560036, India

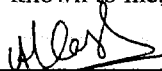
Citizenship:

India

Mailing Address:

Same

I, AKASH BELLIAPPA K.A (name) whose residential address is
#342 ELEGANT ENCLAVE, 5th MAIN, VIJAYA BANK LAYOUT, BANGALORE 560076
was personally present and did see **Jayapaul PAUL** (name of person signing the assignment)
who is personally known to me, execute the above assignment.

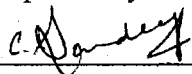


(signature of first witness)

Signed at BANGALORE, INDIA (location of witness signature)

On this day 1st DAY OCTOBER of 2014. (date of signature)

I, SANDEEP CHANDRASHEKAR (name) whose residential address is
#13, 4^A MAIN, BYRAVESHWARANAGAR, BANGALORE - 560072
Was personally present and did see **Jayapaul PAUL** (name of person signing the assignment)
who is personally known to me, execute the above assignment.



(signature of second witness)

Signed at BANGALORE, INDIA (location of witness signature)

On this day 1st DAY OCTOBER of 2014. (date of signature)