

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shu-Shang Sam Wei	01/17/2008
Roger W. Kilday	01/17/2008
Victor Spivak	01/17/2008
Meir Amiel	01/17/2008
Venkat Chandrasekaran	01/17/2008
Yik-Ping Li	01/17/2008
David Buccola	01/17/2008

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:	11906174

CORRESPONDENCE DATA

Fax Number: (408)973-2595
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 408-973-2585
Email: jgross@ip-patent.com
Correspondent Name: Van Pelt, Yi & James LLP
Address Line 1: 10050 N. Foothill Blvd.
Address Line 2: Suite 200
Address Line 4: Cupertino, CALIFORNIA 95014

ATTORNEY DOCKET NUMBER: EMCCP201

PATENT

500451352

REEL: 020434 FRAME: 0190

CH \$40.00 11906174

NAME OF SUBMITTER:

William J. James

Total Attachments: 8

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PATENT

REEL: 020434 FRAME: 0191

ASSIGNMENT

WHEREAS, we, Shu-Shang Wei, Roger W. Kilday, Victor Spivak, Meir Amiel, Venkat Chandrasekaran, Yik-Ping Li, and David Buccola 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 CONVERSION OF LIGHTWEIGHT OBJECT TO A HEAVYWEIGHT OBJECT, 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 28, 2007 as U.S. Application No. 11/906,174;
- ☐ 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:

1/17/2008

Shu-Shang Sam Wei

Inventor's Signature

Print full name of first inventor:

Shu-Shang Sam Wei

Residence:

Danville, CA

Citizenship:

United States

Mailing Address:

6801 Koll Center Parkway, Pleasanton, CA
94566

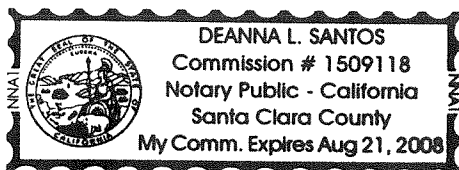
STATE OF
COUNTY OF

CA
Alameda

On this 17 day of January, 2008, before me appeared Shu-Shang Sam Wei who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



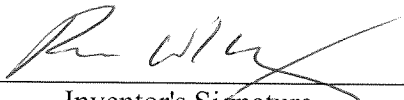
Deanna L. Santos

Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/08

Date: 1/17/08


Inventor's Signature

Print full name of second inventor:

Roger W. Kilday

Residence:

Livermore, CA

Citizenship:

United States

Mailing Address:

6801 Koll Center Parkway, Pleasanton, CA
94566

STATE OF
COUNTY OF

CA
Alameda

On this 17 day of January, 2008, before me appeared Roger W. Kilday who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

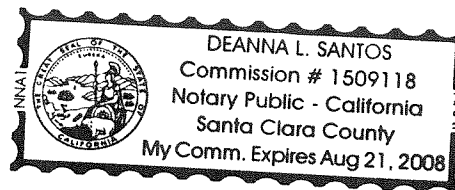
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/08



Date:

01/17/2008

[Signature]

Inventor's Signature

Print full name of third inventor:

Victor Spivak

Residence:

San Mateo, CA

Citizenship:

United States

Mailing Address:

6801 Koll Center Parkway, Pleasanton, CA
94566

STATE OF
COUNTY OF

CA
Alameda

On this 17 day of January, 2008, before me appeared Victor Spivak who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

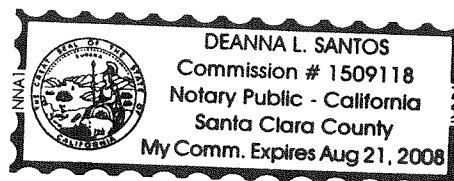
WITNESS my hand and official seal.

Deanna L. Santos

Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/08



Date: 1/17/08

[Signature]
Inventor's Signature

Print full name of fourth inventor:

Meir Amiel

Residence:

Pleasanton, CA

Citizenship:

United States

Mailing Address:

6801 Koll Center Parkway, Pleasanton, CA
94566

STATE OF CA
COUNTY OF Alameda

On this 17 day of January, 2008, before me appeared Meir Amiel who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

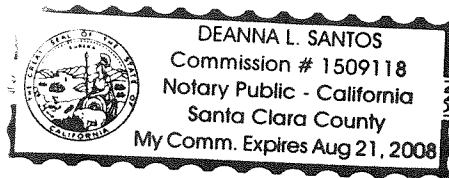
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/08



Date: 01/17/2008

Venkat Chandrasekaran
Inventor's Signature

Print full name of fifth inventor:

Venkat Chandrasekaran

Residence:

Newark, CA

Citizenship:

United States

Mailing Address:

6801 Koll Center Parkway, Pleasanton, CA
94566

STATE OF
COUNTY OF

CA
Alameda

On this 17 day of January, 2008, before me appeared Venkat Chandrasekaran who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

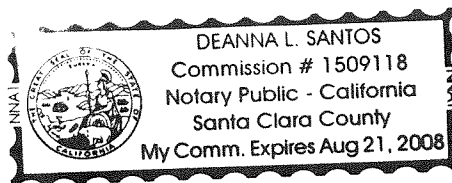
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Deanna J. Santos
Notary Public

Print Name: Deanna J. Santos

My Commission expires 8/21/08



Date: 1/17/2008

[Signature]
Inventor's Signature

Print full name of sixth inventor:

Yik-Ping Li

Residence:

Fremont, CA

Citizenship:

United States

Mailing Address:

6801 Koll Center Parkway, Pleasanton, CA
94566

STATE OF
COUNTY OF

CA
Alameda

On this 17 day of January, 2008, before me appeared Yik-Ping Li who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

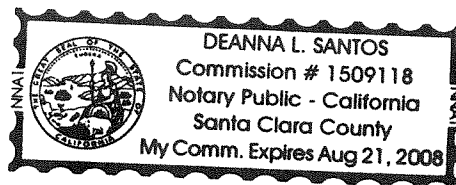
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/08



Date: 1/17/2008

David Buccola
Inventor's Signature

Print full name of seventh inventor:

David Buccola

Residence:

Pleasanton, CA

Citizenship:

United States

Mailing Address:

6801 Koll Center Parkway, Pleasanton, CA
94566

STATE OF
COUNTY OF

CA
Alameda

On this 17 day of January, 2008, before me appeared David Buccola who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Deanna L. Santos
Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/08

