

Form PTO-1595 (Rev. 07/05)

OMB No. 0651-0027(exp. 6/30/2008)

EMC-06-130CIP1

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patents and Trademarks Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

1. William Dale Andruss
2. Christopher Hercules Claudatos
3. Bruce David Leetch
4. Steven R. Terwilliger

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of Conveyance/Execution Date(s):**

Execution Date: 1. 7/31/06 2. 8/03/06 3. 7/25/06

4. 7/26/06

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Other _____

2. Name and address of receiving party(ies):Name: EMC Corporation

Internal Address: _____

Street Address: 176 South StreetCity: HopkintonState: MACountry: USA Zip: 01748Additional name(s) and address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.A. Patent Application No.(s) 11/477,635

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Theodore A. Chen, Esq.Internal Address: EMC CorporationStreet Address: 6801 Koll Center ParkwayCity: Pleasanton State: CA Zip: 94566Phone Number: 925-600-5681Fax Number: 925-600-5682Email Address: chen_theodore@emc.com**6. Total number of applications and patents involved:**1**7. Total fee (37 CFR 1.21(h) & 3.41): \$ 40.00**

- ☐ Authorized to be charge by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit account number 05-0889

Authorized User Name _____

9. Signature:

Signature

8/14/06

Date

Theodore A. Chen

Name of Person Signing

Total number of pages including cover
sheet, attachments, and documents: [8]

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop: Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria VA 22313-1450

700281479

PATENT
REEL: 018116 FRAME: 0791

PATENT/Joint Assignment
EMC Docket No.: EMC-06-130CIP1

ASSIGNMENT

WHEREAS, we, William Dale Andruss, Christopher Hercules Claudatos, Bruce David Leetch and Steven R. Terwilliger 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 ***EFFICIENT SCANNING OF OBJECTS***, 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 June 28, 2006 as U.S. Application No. 11/477,635;
- ☐ 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

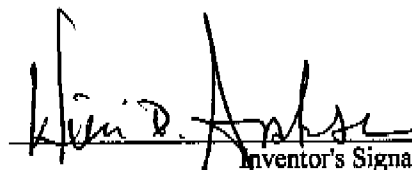
EMC Docket No.: EMC-06-130CIP1

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:

7/31/2006

Inventor's Signature

Print full name of first inventor:

William Dale Andruss

Residence:

4144 Aldrich Avenue South, Minneapolis, MN 55409

Citizenship:

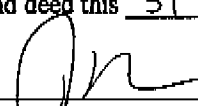
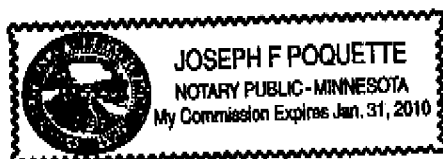
USA

Mailing Address:

Same as above

STATE/Commonwealth of MNCOUNTY OF Hennepin

Then personally appeared before me the above-named William Dale Andruss and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 31 day of July, 2006.


Notary PublicPrint Name: Joseph PoquetteMy Commission expires 1/31/10

EMC Docket No.: EMC-06-130CIP1

Date:

8/3/06

Inventor's Signature

Print full name of second inventor:

Christopher Hercules Claudatos

Residence:

842 Portswood Circle, San Jose, CA 95120

Citizenship:

USA

Mailing Address:

Same as above

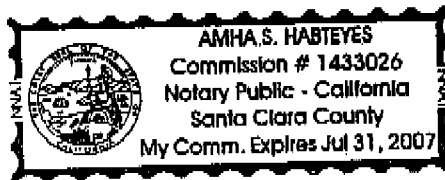
STATE/Commonwealth OF

California

COUNTY OF

Santa Clara

Then personally appeared before me the above-named Christopher Hercules Claudatos and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 3rd day of August, 2006.



Notary Public

Print Name: Amha S. HabteyesMy Commission expires 07/31/2007

EMC Docket No.: EMC-06-130CIP1

Date:

JULY 25 2006

Inventor's Signature

Print full name of third inventor:

Bruce David Leetch

Residence:

9572 Fox Run Drive, Mason, OH 45040

Citizenship:

USA

Mailing Address:

Same as above

STATE/Commonwealth of

OHIO

COUNTY OF

WARREN

Then personally appeared before me the above-named Bruce David Leetch and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 25th day of July, 2006.



Notary Public

Print Name:

JULIA SCARBOROUGH

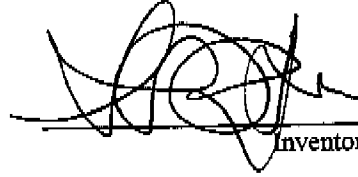
My Commission expires

02/16/2009

JULIA SCARBOROUGH
Notary Public, State of Ohio
My Commission Expires February 16, 2009

EMC Docket No.: EMC-06-130CIP1

Date:

July 26, 2006

Inventor's Signature

Print full name of fourth inventor:

Steven R. Terwilliger

Residence:

609 Portsmouth Lane, Foster City, CA 94404

Citizenship:

USA

Mailing Address:

Same as above

STATE/Commonwealth OF California
COUNTY OF Santa Clara

Then personally appeared before me the above-named Steven R. Terwilliger and acknowledged that he/~~she~~
executed the foregoing instrument as his/~~her~~ free act and deed this 26th day of July, 2006.

Rajesh Rao Badanidiyoor

Notary Public

Print Name: RAJESH RAO BADANIDIYOORMy Commission expires 01/10/2008

Please refer to the attached
CA - All purpose acknowledgment.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

Santa Clara

} ss.

On July 26th, 2006 before me, RAJESH RAO BADANIDIYOR

Date

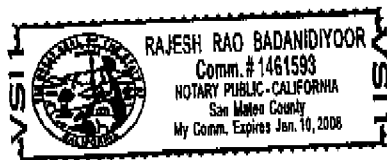
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

NOTARY
PUBLIC, CApersonally appeared STEVEN A. TERWILLIGER

Name(s) of Signer(s)

- ☐ personally known to me
☒ 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.



WITNESS my hand and official seal.

Rajesh Rao Badanidiyor

Signature of Notary Public

07/26/2006**OPTIONAL**

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached DocumentTitle or Type of Document: Patent / Joint Assignment ApplicationDocument Date: 07/26/2006 Number of Pages: 5

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by SignerSigner's Name: STEVEN A. TERWILLIGER☒ Individual☐ Corporate Officer — Title(s): _____☐ Partner — ☐ Limited ☐ General☐ Attorney-in-Fact☐ Trustee☐ Guardian or Conservator☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

TRANSMITTAL FORM		Application No.:	11/477,635
		Filing Date:	June 28, 2006
		First Named Inventor:	Andruss, William Dale
		Group Art Unit	2161
		Examiner:	Not Yet Assigned
		Docket No.	EMC-06-130CIP1
ENCLOSURES (check all that apply)			
<input checked="" type="checkbox"/> Authorization for the Commissioner to charge Deposit Account No. 05-0889 for fees associated with this transaction <input type="checkbox"/> Preliminary Amendment (___ pgs) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Decl. <input type="checkbox"/> Extension of Time Request for 3 Months <input type="checkbox"/> Request for Continued Examination Transmittal <input type="checkbox"/> Information Disclosure Statement (PTO/SB/08A) (2 pgs) <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input checked="" type="checkbox"/> Assignment <input checked="" type="checkbox"/> Recordation Cover Sheet <input type="checkbox"/> Declaration/Power of Attorney <input type="checkbox"/> Associate Power of Attorney <input type="checkbox"/> Revocation of Power of Attorney <input type="checkbox"/> Formal Drawings <input type="checkbox"/> Letter to Official Draftsperson with three (3) sheets of redlined changes to drawings <input type="checkbox"/> Copy of PTO 948, "Notice of Draftsperson's Patent Review" <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Additional Enclosures:	<input type="checkbox"/> Petition for Revival of an Unintentionally Abandoned Application [37 CFR 1.137(b)] (in duplicate) <input type="checkbox"/> Continued Prosecution Application (CPA) <input type="checkbox"/> Issue Fee Payment Transmittal <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Status Inquiry <input type="checkbox"/> Certificate of First Class Mailing <input type="checkbox"/> Certificate of Express Mail Mailing <input type="checkbox"/> Postcard	
SIGNATURE OF APPLICANT, ATTORNEY OR AGENT			
Date: <u>8/14/06</u>		<u>Theodore A. Chen, Esq.</u> Theodore A. Chen, Esq. EMC Corporation Reg No.: 40,557 6801 Koll Center Parkway Pleasanton, CA 94566	
Tel: 925-600-5681 Fax: 925-600-5682			
CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8]			
I hereby certify that this correspondence and the above-referenced enclosures are being:			
<input type="checkbox"/> Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.			
<input checked="" type="checkbox"/> Transmitted by facsimile on the date shown below to the Patent and Trademark Office at (571) 273-0140.			
Date: <u>8/14/06</u>		Signature: <u>Deanna L. Santos</u>	
		Deanna L. Santos Typed or printed name of person signing certificate	

G:/JulieW/Prosecution/EMC-00-057 Transmittal.doc

PATENT**RECORDED: 08/14/2006****REEL: 018116 FRAME: 0798**