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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Tab settings ⇄⇄⇄

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To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Michael John Kozel, Jeffrey Austin Moore, Brandon Charles Barney

## 2. Name and address of receiving party(ies)

Name: EMC Corporation

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Street Address: 35 Parkwood DriveHopkinton, MA 01748Execution Date: 12/09/2004Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

Atty Docket: 130-039

If this document is being filed together with a new application, the execution date of the application is: 12/09/2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mary SteubingSteubing McGuinness & Manaras LLP

Internal Address: \_\_\_\_\_

Street Address: 125 Nagog Park DriveCity: Acton State: MA Zip: 01720

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41). . . . . \$ 40.00☐ Enclosed☒ Fees authorized to be charged to deposit account

## 8. Deposit account number:

502569

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Mary Steubing, Reg. No. 37,946

Name of Person Signing

Mary Steubing  
Signature12/17/04  
DateTotal number of pages including cover sheet, attachments, and documents: ☐Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

01/04/2005 6TOM11 00000102 502569 11017307

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PATENT  
REEL: 016115 FRAME: 0073

## ASSIGNMENT

**WHEREAS**, we, Michael John Kozel, Jeffrey Austin Moore, and Brandon Charles Barney 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 **Test Module for Testing of Electronic Systems**, 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 \_\_\_\_\_ 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.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: December 9, 2004

Michael J. Kozel  
Inventor's Signature

Print full name of first inventor:

**Michael J. Kozel**

Residence:

75 Elm Street, Upton, Massachusetts, 01568

Citizenship:

USA

Mailing Address:

75 Elm Street, Upton, Massachusetts, 01568

STATE/COMMONWEALTH OF Massachusetts  
COUNTY OF Worcester

On this 9<sup>th</sup> day of December, 2004, then personally appeared before me the above-named Michael J. Kozel known to me through satisfactory evidence of identification [☒] employee identification card; [☒] driver's license; [☐] (other)

Michael J. Kozel 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.

Nancy J. Forrister  
Notary Public

Print Name: Nancy J. Forrister

My Commission expires 03/07/2008

Date: December 9, 2004

Jeffrey A. Moore  
Inventor's Signature

Print full name of second inventor:

**Jeffrey A. Moore**

Residence:

25 Pratt Street, South Grafton, MA 01560

Citizenship:

USA

Mailing Address:

25 Pratt Street, South Grafton, MA 01560

STATE/Commonwealth of Massachusetts  
COUNTY OF Worcester

On this 9th day of December, 2004, then personally appeared before me the above-named Jeffrey A. Moore known to me through satisfactory evidence of identification [☒] employee identification card; [☒] driver's license; [☐] (other) Jeffrey A. Moore 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.

Nancy J. Forster  
Notary Public

Print Name: Nancy J. Forster

My Commission expires 031 071 2008

Date: December 9, 2004

Brandon C. Barney  
Inventor's Signature

Print full name of second inventor:

**Brandon C. Barney**

Residence:

29 Avon Drive, Hudson, MA 01749

Citizenship:

USA

Mailing Address:

29 Avon Drive, Hudson, MA 01749

STATE/COMMONWEALTH OF Massachusetts  
COUNTY OF Middlesex Starcus

On this 9<sup>th</sup> day of December, 2004, then personally appeared before me the above-named Brandon c. Barney known to me through satisfactory evidence of identification ☐ employee identification card; ☒ driver's license; ☐ (other) Brandon C. Barney 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.

Nancy J. Farrister  
Notary Public

Print Name: Nancy J. Farrister

My Commission expires 03/07/2008