


03-31-2005	
	
102866153	
Docket No.: EMS-08401	
To the Director of the U.S. Patent	
Documents or the new address(es) below.	
s of receiving party(ies):	
1. Name of conveying party(ies)/Execution Date(s):	Name: EMC Corporation
John Kemeny Michael R. McCarthy Bradford B. Glade David Harvey James A. Wentworth, III William B. Whalen Matthew Waxman	Internal Address:
Execution Date(s): September 8, 2004	Street Address: 176 South Street
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	City: Hopkinton
3. Nature of conveyance:	State: Massachusetts
<input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other: _____	Country: U.S. Zip: 01748
4. Application or patent number(s):	Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Patent Group	7. Total fee (37 CFR 1.21(h) & 3.41).....\$ 40.00
Internal Address: Choate, Hall & Stewart	<input type="checkbox"/> Authorized to be charged by credit card
Street Address: Exchange Place	<input type="checkbox"/> Authorized to be charged to deposit account
53 State Street	<input checked="" type="checkbox"/> Enclosed
City: Boston	<input type="checkbox"/> None required (government interest not affecting title)
State: Massachusetts Zip: 02109-2804	8. Payment Information
Fax Number: 617-248-4000	a. Credit Card Last 4 Numbers _____
	Expiration Date _____
	b. Deposit Account Number _____
	Authorized User Name _____
9. Signature:	
Anne E. Saturnelli, Reg. No. 41,290	
Name of Person Signing	Signature
	Date
Total number of pages including cover sheet, attachments, and documents: 9	
Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:	
Mail Stop Assignment Recordation Services	
Director of the U.S. Patent and Trademark Office	
P.O. Box 1450, Alexandria, VA 22313-1450	

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PAGE 3/11 * RCVD AT 3/29/2005 1:04:41 PM [Eastern Standard Time] * SVR:USPTO-EFXXRF-2/2 * DNIS:7463140 * CSID:617 248 4000 * DURATION (mm:ss):03:04

PATENT
REEL: 015872 FRAME: 0480

Attorney Docket No.: EMS-08401
EMC Docket No.: EMC-04-115

ASSIGNMENT

WHEREAS, we, John Kemeny, Michael R. McCarthy, Bradford B. Glade, David Harvey, James A. Wentworth, III, William B. Whalen and Matthew Waxman 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 titled TWO-PHASE SNAP COPY, 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,

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PAGE 4/11 * RCVD AT 3/29/2005 1:04:41 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-2/2 * DNIS:7463140 * CSID:617 248 4000 * DURATION (mm:ss):03:04

PATENT
REEL: 015872 FRAME: 0481

Attorney Docket No.: EMS-08401
EMC Docket No.: EMC-04-115

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:

9/8/04John Kemeny
Inventor's Signature

Print full name of first inventor:

John Kemeny

Residence:

36 Robinson Road
Westford, MA 01886

Citizenship:

U.S.

Mailing Address:

Same

STATE/Commonwealth of Massachusetts

COUNTY OF

Norfolk

On this 8th day of September, 2004, then personally appeared before me the above-named John Kemeny 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 executed the same as his free act and deed for the purposes therein contained.

Linda N. L. DeWitt
Notary Public

Print Name:

Linda N. DeWittMy Commission expires 2/18/2011

Attorney Docket No.: EMS-08401
EMC Docket No.: EMC-04-115Date: 9/8/2004Michael R. McCarthy

Inventor's Signature

Print full name of second inventor:

Michael R. McCarthy

Residence:

19 Monahan Lane

Mansfield, MA 02048

Citizenship:

U.S.A.

Mailing Address:

Same

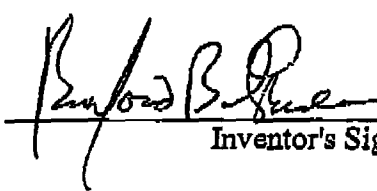
STATE/Commonwealth of Massachusetts
COUNTY OF Norfolk

On this 8th day of September, 2004, then personally appeared before me the above-named Michael R. McCarthy 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 executed the same as his free act and deed for the purposes therein contained.

Linda M. DeLuca
Notary PublicPrint Name: Linda M. DeLucaMy Commission expires 2/18/2011

Attorney Docket No.: EMS-08401
EMC Docket No.: EMC-04-115

Date:

9/8/2004
Inventor's Signature

Print full name of third inventor:

Bradford B. Glade

Residence:

109 East Bare Hill Road

Harvard, MA 01451

Citizenship:

U.S.A.

Mailing Address:

Same

STATE/Commonwealth of Massachusetts
COUNTY OF Norfolk

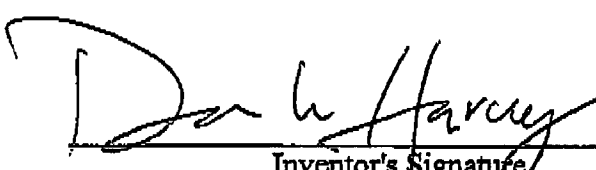
On this 8th day of September, 2004, then personally appeared before me the above-named Bradford B. Glade known to me through satisfactory evidence of identification ☒ employee identification card; ☐ driver's license; ☐ (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.


Notary PublicPrint Name: Linda R. DelucaMy Commission expires 2/18/2011

Attorney Docket No.: EMS-08401

EMC Docket No.: EMC-04-115

Date:

9/8/04
Inventor's Signature

Print full name of fourth inventor:

David Harvey

Residence:

36 Pine Crest Road

Newton, MA 02459

Citizenship:

U.S.A.

Mailing Address:

Same


STATE/Commonwealth of Massachusetts
COUNTY OF Dorset

On this 8th day of September, 2004, then personally appeared before me the
above-named David Harvey 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 executed the same as his free act and deed for the purposes therein contained.


Notary PublicPrint Name: Linda M. DeLeraMy Commission expires 2/18/2011

Attorney Docket No.: EMS-08401
EMC Docket No.: EMC-04-115

Date:

9/8/2004
Inventor's Signature

Print full name of fifth inventor:

James A. Wentworth, III

Residence:

10 Leblanc Road

Shrewsbury, MA 01545

Citizenship:

U.S.A.

Mailing Address:

Same

STATE/Commonwealth of Massachusetts

COUNTY OF

Norfolk

On this 8th day of September, 2004, then personally appeared before me the above-named James A. Wentworth, III 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 executed the same as his free act and deed for the purposes therein contained.


Notary PublicPrint Name: Linda N. DeLucaMy Commission expires 2/18/2011

Attorney Docket No.: EMS-08401
EMC Docket No.: EMC-04-115Date: 9/8/04William B. Whalen
Inventor's Signature

Print full name of sixth inventor:

William B. Whalen

Residence:

58 Hunting Avenue

Shrewsbury, MA 01545

Citizenship:

U.S.A.

Mailing Address:

Same

STATE/Commonwealth of Massachusetts
COUNTY OF Norfolk

On this 8th day of September, 2004, then personally appeared before me the above-named William B. Whalen 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 executed the same as his free act and deed for the purposes therein contained.

Linda N. Deluca
Notary PublicPrint Name: Linda N. DelucaMy Commission expires 2/18/2011

Attorney Docket No.: EMS-08401
EMC Docket No.: EMC-04-115

Date:

9/8/04

Inventor's Signature

Print full name of seventh inventor:

Matthew Waxman

Residence:

1405 Beacon Street, Apt. 1

Brookline, MA 02446

Citizenship:

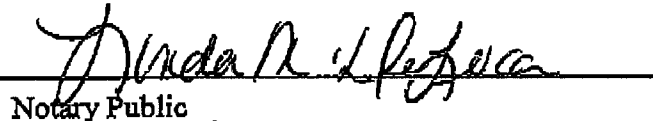
Canada

Mailing Address:

Same

STATE/Commonwealth of Massachusetts
COUNTY OF Norfolk

On this 8th day of September, 2004, then personally appeared before me the above-named Matthew Waxman 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 executed the same as his free act and deed for the purposes therein contained.



Notary Public

Print Name: Linda R. DeLucaMy Commission expires 2/18/2011