

07-12-2004

Substitute Form PTO-1595
Attorney Docket No.: 07072-161001
Client's Ref. No.: EMC-04-058

RECC



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06/30/04

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Steven T. McClure, Scott B. Gordon, Robert Decrescenzo, Timothy M. Johnson, and Zhi-Gang Liu Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): EMC Corporation 176 South Street Hopkinton, MA 01748-9103 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 6/28/2004; 6/28/2004; 6/28/2004; 6/28/2004; and 6/28/2004	
4. Application number(s) or patent number(s): 10/881131 If this document is being filed with a new application, the execution date of the application is: 6/30/2004 A. Patent Application No(s): B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: FAUSTINO A. LICHAUCO Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i> Faustino A. Lichauco Reg. No. 41,942 Name of Person Signing Signature Date 6/30/04	
Total number of pages including coversheet, attachments and document: 7	

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CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EV303680875US

Date of Deposit: June 30, 2004

PATENT
REEL: 015542 FRAME: 0787

ASSIGNMENT

WHEREAS, we, Steven T. McClure, Scott B. Gordon, Robert Decrescenzo, Timothy M. Johnson, and Zhi-Gang Liu, 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 *DETERMINING ENVIRONMENTAL AVAILABILITY IN A STORAGE SUBSYSTEM*, 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: 6/28/04


Inventor's Signature

Print full name of first inventor:

Steven T. McClure

Residence:

142 East Main Street, Northboro, MA 01532

Citizenship:

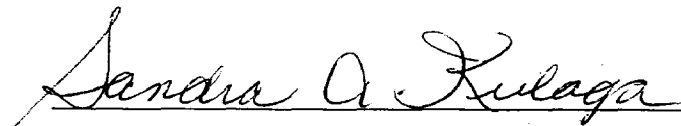
USA

Mailing Address:

142 East Main Street, Northboro, MA 01532

STATE/Commonwealth of MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 28 day of June, 2004, then personally appeared before me the above-named Steven T. McClure 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: Sandra A. Kulaga
NOTARY PUBLIC
My Commission Expires March 27, 2009

My Commission expires ___ / ___ / ___

Date: 6/28/2004

Scott B. Gordon
Inventor's Signature

Print full name of second inventor:

Scott B. Gordon

Residence:

158 Pleasant Street, Upton, MA 01568

Citizenship:

USA

Mailing Address:

158 Pleasant Street, Upton, MA 01568

STATE/Commonwealth of MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 28 day of June, 2004, then personally appeared before me the above-named Scott B. Gordon 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.

Sandra A. Kulaga
Notary Public
Print Name: Sandra A. Kulaga
My Commission Expires March 27, 2009

My Commission expires ___ / ___ / ___

Date: 6/28/2004 Robert DeCrescenzo
Inventor's Signature

Print full name of third inventor: **Robert DeCrescenzo**
Residence: ~~12 Corey Way, Franklin, MA 02038~~
Citizenship: USA 34 High Ridge Circle Franklin Ma 02038
Mailing Address: ~~12 Corey Way, Franklin, MA 02038~~ R20

STATE/Commonwealth of MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 28 day of June, 2004, then personally appeared before me the
above-named Robert DeCrescenzo, 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.

Sandra A. Kulaga
Notary Public Sandra A. Kulaga
NOTARY PUBLIC
My Commission Expires March 27, 2009
Print Name: _____
My Commission expires ___ / ___ / ___

Date: 6/28/2004

Timothy M. Johnson
Inventor's Signature

Print full name of third inventor: **Timothy M. Johnson**
Residence: 12 Mt. Pleasant Avenue, Leicester, MA 01524
Citizenship: USA
Mailing Address: 12 Mt. Pleasant Avenue, Leicester, MA 01524

STATE/Commonwealth of MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 28 day of June, 2004, then personally appeared before me the
above-named Timothy M. Johnson 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.

Sandra A. Kulaga
Notary Public

Print Name: Sandra A. Kulaga
NOTARY PUBLIC
My Commission Expires March 27, 2009
My Commission expires ___ / ___ / ___

Date: 06/28/2004 Zhi-Gang Liu
 Inventor's Signature

Print full name of third inventor: **Zhi-Gang Liu**
 Residence: 6 Baron Park Ln., #1, Burlington, MA 01803
 Citizenship: P.R. of China
 Mailing Address: 6 Baron Park Ln., #1, Burlington, MA 01803

STATE/Commonwealth of MASSACHUSETTS
 County of MIDDLESEX

On this 28 day of June, 2004, then personally appeared before me the
 above-named Zhi-Gang Liu 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.

Sandra A. Kulaga
 Notary Public
 Print Name: Sandra A. Kulaga
 NOTARY PUBLIC
 My Commission Expires March 27, 2009
 My Commission expires ___ / ___ / ___

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