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FORM PTO-1595 U.S.  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Commissioner for Patents : Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <b>Philippe Armangau, Stephen J. Todd</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>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 _____</p> <p>Execution Date:      <b>August 23, 2005</b></p>	<p>2. Name and address of receiving party(ies) Name:      <b>EMC Corporation</b> Internal Address: Street Address:      <b>176 South Street</b>                                  <b>Hopkinton, MA 01748</b></p> <p>Additional name(s) &amp; addresses(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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112967 U.S. PTO  
11/213565  
  
082605

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

If this document is being filed together with a new application, the execution date of the application is August 23, 2005

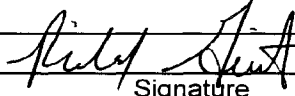
A. Patent Application No.(s)      B. Patent No.(s)

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence Concerning document should be mailed:</p> <p>Name:      <b>Richard F. Giunta</b> Address:      <b>Wolf, Greenfield &amp; Sacks, P.C.</b>                  <b>600 Atlantic Avenue</b>                  <b>Boston, MA 02210-2206</b></p>	<p>6. Total number of applications and patents involved: <b>[ 1 ]</b></p> <p>7. Total fee (37 CFR 3.41)      <b>\$ 40.00</b></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>The Commissioner is authorized to charge any deficiencies in the enclosed payment to:</p> <p>8. Deposit Account No: 23/2825</p>
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**DO NOT USE THIS SPACE**

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.*

Richard F. Giunta		8/26/05
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments, and document: **[ 4 ]**

Mail documents to be recorded with required cover sheet information to (modify as appropriate):  
**Commissioner of Patents**  
**PO Box 1450, Alexandria, VA 22313-1450**

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**PATENT**  
**REEL: 016938 FRAME: 0935**

## ASSIGNMENT

**WHEREAS**, we, Philippe Armangau and Stephen J. Todd 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 METHODS AND APPARATUS FOR SCHEDULING AN ACTION ON A COMPUTER, the specification of which:

[X] is being executed on even date herewith and is about to be filed in the United States Patent Office;

**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: 8/23/05

*Philippe Armangau*  
Inventor's Signature

Print full name of third inventor:

**Philippe Armangau**

Residence:

51 Seminole Road, Acton, MA 01720

Citizenship:

France

Mailing Address:

51 Seminole Road, Acton, MA 01720

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Worcester

On this 23<sup>rd</sup> day of August, 2005, then personally appeared before me the above-named P. Armangau 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.

*Nancy R. Lovejoy*  
Notary Public

Print Name: Nancy R. Lovejoy

My Commission expires \_\_\_ / \_\_\_ / \_\_\_

**Nancy R. Lovejoy**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
July 14, 2011

Date: 8 | 23 | 05

Stephen J Todd  
Inventor's Signature

Print full name of first inventor: **Stephen J. Todd**  
Residence: 36 Thomas Farm Circle, Shrewsbury, MA 01545  
Citizenship: USA  
Mailing Address: 36 Thomas Farm Circle, Shrewsbury, MA 01545

STATE/Commonwealth of Massachusetts  
COUNTY OF Worcester

On this 23<sup>rd</sup> day of August, 2005, then personally appeared before me the above-named S. Todd 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.

Nancy R. Lovejoy  
Notary Public  
Print Name: Nancy R. Lovejoy  
My Commission expires \_\_\_ / \_\_\_ / \_\_\_

Nancy R. Lovejoy  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
July 14, 2011