

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Incandescent, Inc.	07/11/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Evolutionary Intelligence, LLC
<b>Street Address:</b>	c/o Gutride Safier LLP, 835 Douglass Street
<b>City:</b>	San Francisco
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94114
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7010536
Patent Number:	7702682
Patent Number:	7873682
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	4154496469
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	415-789-6390
<b>Email:</b>	todd@gutridesafier.com
<b>Correspondent Name:</b>	Todd Kennedy
<b>Address Line 1:</b>	835 Douglass Street
<b>Address Line 4:</b>	San Francisco, CALIFORNIA 94114
<b>NAME OF SUBMITTER:</b>	Todd Kennedy
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 2</b>	
source=patent assignment executed and notarized#page1.tif	
source=patent assignment executed and notarized#page2.tif	

OP \$120.00 7010536

## PATENT ASSIGNMENT

Inventor: Michael De Angelo  
U.S. Patent Nos.: 7,010,536; 7,702,682; 7,873,682  
Application Nos.: 09/284,113; 11/280,700; 12/691,425  
Filing Dates: 1/28/99; 11/14/05; 1/21/10  
Titles: "System and method for creating and manipulating information containers with dynamic registers"

WHEREAS, Incandescent, Inc., a Delaware corporation having an office and place of business at 100 Pine Street, San Francisco, California 94111 (hereinafter referred to as "ASSIGNOR") is the current assignee of the U.S. Patents listed above (hereinafter referred to as the "PATENTS"); and

WHEREAS, Evolutionary Intelligence, LLC, a Delaware limited liability company having an office and place of business at 100 Pine Street, Suite 500, San Francisco, California 94111 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest throughout the world in and to the PATENTS and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns and transfers unto ASSIGNEE, the entire right, title and interest throughout the world in and to the PATENTS, the inventions described therein, and any and all letters patent which may be granted or have been granted, including all potential, existing, and future causes of action and associated past, present and future damages, for said inventions in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, continuations, continuations-in-part, and certificates of correction thereof, including the right to file domestic and foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from the applications leading to the PATENTS, said inventions, PATENTS, and all other letters patent deriving from said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment not been made.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all letters patent on said inventions to ASSIGNEE. ASSIGNOR warrants that ASSIGNOR is the rightful owner of the PATENTS and said invention, and that there are no others who could make a claim against the rights being assigned, and that the rights being assigned are subsisting and are not assigned, licensed, or otherwise diluted in any way. ASSIGNOR further agrees to execute and deliver any further papers and do such other acts as may be necessary and proper to vest full title in and to the PATENTS in the ASSIGNEE. ASSIGNOR further agrees to execute all instruments and documents required for the making and prosecution of foreign and domestic applications for letters patent on said inventions, and for litigation regarding said letters patent. ASSIGNOR also covenants that, if there are any disputes, actions, litigations, trials, or any other

challenges related to the rights being assigned, then ASSIGNOR shall assist ASSIGNEE to the best of ASSIGNOR's ability.

IN WITNESS WHEREOF, ASSIGNOR has caused these presents to be duly executed in a manner appropriate thereto this 9th day of July, 2012.

**ASSIGNOR:**  
Incandescent, Inc.

By: *Michael De Angelo*  
Michael De Angelo  
CEO

Signed before me this 11<sup>th</sup> day of July, 2012.

*Frank Beyliff*  
Notary Public



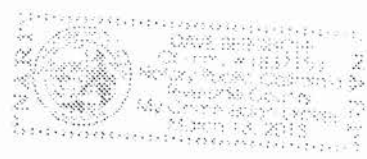
**ASSIGNEE hereby accepts this assignment.**

**ASSIGNEE:**  
Evolutionary Intelligence, LLC

By: *Michael De Angelo*  
Michael De Angelo  
Manager

Signed before me this 11<sup>th</sup> day of July, 2012.

*Frank Beyliff*  
Notary Public



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

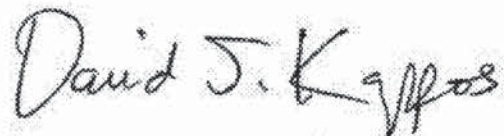
PATENT NO. : 7,010,536 B1  
APPLICATION NO. : 09/284113  
DATED : March 7, 2006  
INVENTOR(S) : Michael De Angelo

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1, Page 30, Line 26,  
between the words “may” and “with” delete the word “intersect”, insert therefor the word --interact--  
Claim 2, Page 30, Line 49,  
between the words “passive” and “for” delete the word “resister”, insert therefor the word --register--  
Claim, 16, Page 32, Line 33,  
between the words “designating” (from previous line) and “and governing” delete the word “time”,  
insert therefor the word --space--  
Claim, 16, Page 32, Line 37,  
between the words “external-to-the-apparatus” and “, and” delete the word “event time”, insert  
therefor the word --three dimensional space--

Signed and Sealed this  
Twenty-sixth Day of June, 2012



David J. Kappos  
*Director of the United States Patent and Trademark Office*



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/284,113	04/07/1999	MICHAEL DE ANGELO	17776-002US1

**CONFIRMATION NO. 1910**

**POWER OF ATTORNEY NOTICE**

26181  
FISH & RICHARDSON P.C. (SV)  
PO BOX 1022  
MINNEAPOLIS, MN 55440-1022



Date Mailed: 05/23/2012

**NOTICE REGARDING CHANGE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 05/02/2012.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

/tkim/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/284,113	04/07/1999	MICHAEL DE ANGELO	20933.4001

**CONFIRMATION NO. 1910**

**POA ACCEPTANCE LETTER**

34313  
ORRICK, HERRINGTON & SUTCLIFFE, LLP  
IP PROSECUTION DEPARTMENT  
2050 Main Street, Suite 1100  
IRVINE, CA 92614



Date Mailed: 05/23/2012

**NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 05/02/2012.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/tkim/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

**SPE RESPONSE FOR CERTIFICATE OF CORRECTION**

Paper No.: \_\_\_\_\_

DATE : 05-11-12

TO SPE OF : ART UNIT 2161

SUBJECT : Request for Certificate of Correction for Appl. No.: 09/284113 Patent No.: 7010536

COCIN mailroom date: 05-02-12

Please respond to this request for a certificate of correction within 7 days.

**FOR IFW FILES:**

Please review the requested changes/corrections as shown in the **COCIN** document(s) in the IFW application image. No new matter should be introduced nor should the scope or meaning of the claims be changed.


Please complete the response (see below) and forward the completed response to scanning using document code **COCX**.

**FOR PAPER FILES:**

Please review the requested changes/corrections as shown in the attached certificate of correction. Please complete this form (see below) and forward it with the file to:

**Certificates of Correction Branch (CofC)  
Randolph Square – 9D10-A  
Palm Location 7580**

In particular note: \_\_\_\_\_

  
\_\_\_\_\_  
**Certificates of Correction Branch  
703-756-1814**

**Thank You For Your Assistance**

---

**The request for issuing the above-identified correction(s) is hereby:**

Note your decision on the appropriate box.

- |  |   |
|--|---|
| <input type="checkbox"/> <b>Approved</b>         | <b>All changes apply.</b>                               |
| <input type="checkbox"/> <b>Approved in Part</b> | <b>Specify below which changes <b>do not</b> apply.</b> |
| <input type="checkbox"/> <b>Denied</b>           | <b>State the reasons for denial below.</b>              |

**Comments:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
**SPE**

\_\_\_\_\_  
**Art Unit**

**SPE RESPONSE FOR CERTIFICATE OF CORRECTION**

Paper No.: \_\_\_\_\_

DATE : 05-11-12

TO SPE OF : ART UNIT 2161

SUBJECT : Request for Certificate of Correction for Appl. No.: 09/284113 Patent No.: 7010536

COCIN mailroom date: 05-02-12

Please respond to this request for a certificate of correction within 7 days.

**FOR IFW FILES:**

Please review the requested changes/corrections as shown in the **COCIN** document(s) in the IFW application image. No new matter should be introduced nor should the scope or meaning of the claims be changed.


Please complete the response (see below) and forward the completed response to scanning using document code **COCX**.

**FOR PAPER FILES:**

Please review the requested changes/corrections as shown in the attached certificate of correction. Please complete this form (see below) and forward it with the file to:

**Certificates of Correction Branch (CofC)  
Randolph Square – 9D10-A  
Palm Location 7580**

In particular note: \_\_\_\_\_

  
\_\_\_\_\_  
**Certificates of Correction Branch  
703-756-1814**

**Thank You For Your Assistance**

---

**The request for issuing the above-identified correction(s) is hereby:**

Note your decision on the appropriate box.

**Approved**

**All changes apply.**

**Approved in Part**

Specify below which changes **do not** apply.

**Denied**

State the reasons for denial below.

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

/Apu Mofiz/

2161

**SPE**

**Art Unit**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/284,113  
Patent No. : 7,010,536  
Applicant : MICHAEL DE ANGELO  
Filing Date : 04-07-1999  
Issue Date : 03-07-2006  
Title : SYSTEM AND METHOD FOR CREATING AND MANIPULATING  
INFORMATION CONTAINERS WITH DYNAMIC REGISTERS  
Confirmation No. : 1910  
Docket No. : 20933.4001  
Customer No. : 34313

Via EFS Web  
Attn: Office of Petitions

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR APPLICANT'S MISTAKE (37 CFR 1.323)**

Dear Sir:

1. Attached is Form PTO/SB/44 with at least one copy being suitable for printing
2. Applicant requests a correction of following words which were inadvertently included on the above-referenced patent due to a typographical mistake.

Claim 1, Page 30, Line 26

**intersect** (typo) should be replaced with **interact** (correct)

Claim 2, Page 30, Line 49

**resister** (typo) should be replaced with **register** (correct)

3. Applicant believes than an erroneous placement of the word "time" instead of the word "space" (Claim 16, page 32, line 33), and the word "event time" instead of the word "three dimensional space" (Claim 16, page 32, line 37) occurred due to a clerical error related to a cut and paste operation while employing parallel

Applicant : MICHAEL DE ANGELO  
Patent No. : 7010536  
Docket No. : 705397.4065

construction. Specification and argument indicate the logic of the requested correction.

Claim 16, Page 32, Line 33

**"time"** (incorrect) should be replaced with **"space"** (correct)

Claim 16, page 32, line 37

**"event time"** (incorrect) should be replaced with **"three dimensional space"** (correct)

Remarks: Applicant indicates that the corrections are supported by syntax, parallel construction, and word use in the claims themselves, especially between Claims 15 and 16, and in the drawings, and in the summary and specification throughout. The correction is further supported by arguments for Claim 16 to the USPTO, January 3, 2005, our attorney argument versus Chiussi as not including "space". Also "space" is already established in Claim 2; therefore the change does not expand because Claim 16, becomes only a combination of "space" as already granted in Claim 1, and "acquire" as already granted in Claim 15 and 16, and shown throughout the specification and in Drawings, Figure 4, Registers "Acquire" (123000) and "Active Space" (111000), "Passive Space"(112000), and "Neutral Space" (113000), and described processes in Preferred Embodiment, and as describing processes in Figure 13 B, describing the acquisition of time and "space relevant" containers, and in Figure 13 C, and in Figure 14, "acquire 1404, edit 1405, or create a register 1406 to append or detach registers 120 to those containers" and Figure 16, and in paragraphs describing "an acquire register 123000, enabling the user to search and utilize other registers residing on the network".

4. Applicant believes that the above-referenced corrections do not constitute in the addition of new matter.

5. Fee and Method of Fee Payment for Certificate of Correction:

- To our knowledge, no fees are required.
- Attached is a check for \_\_\_\_\_.
- Charge Account 15-0665 (\$ 100.00 ).

Applicant : MICHAEL DE ANGELO  
Patent No. : 7010536  
Docket No. : 705397.4065

If any additional fees are due, please charge Account 15-0665.

6 Please forward the Certificate to the undersigned.

Respectfully submitted,  
ORRICK, HERRINGTON & SUTCLIFFE LLP

Dated: May 2, 2012

By:           /Mark Shean/            
Mark J. Shean  
Reg. No. 54441

Orrick, Herrington & Sutcliffe LLP  
2050 MAIN STREET, SUITE 1100  
IRVINE, CA 92614-8255  
Tel. 949-567-6700  
Fax: 949-567-6710

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7010536  
 APPLICATION NO.: 09/284,113  
 ISSUE DATE: : 03-07-2006  
 INVENTOR(S) : MICHAEL DE ANGELO

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1, Page 30, Line 26,

between the words "may" and "with" delete the word "intersect", insert therefor the word "interact"

Claim 2, Page 30, Line 49

between the words "passive" and "for" delete the word "resister", insert therefor the word "register"

Claim, 16, Page 32, Line 33

between the words "designating" (from previous line) and "and governing" delete the word "time", insert therefor the word "space"

Claim, 16, Page 32, Line 37

between the words "external-to-the-apparatus" and ",and" delete the word "event time", insert therefor the word "three dimensional space"

MAILING ADDRESS OF SENDER (Please do not use customer number below):

ORRICK, HERRINGTON & SUTCLIFFE LLP  
 2050 MAIN STREET, SUITE 1100  
 IRVINE CA 92614-8255

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

PTO/SB/96 (07-09)

Approved for use through 07/31/2012. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: MICHAEL DE ANGELO

Application No./Patent No.: 7010536 Filed/Issue Date: 03/07/2006

Entitled: SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS

INCANDESCENT, INC., a CORPORATION

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1.  the assignee of the entire right, title, and interest in;
- 2.  an assignee of less than the entire right, title and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_%); or
- 3.  the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Michael De Angelo  
Signature

May 2, 2012  
Date

MICHAEL DE ANGELO  
Printed or Typed Name

CEO  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/81A (12-08)

Approved for use through 11/30/2011. OMB 0651-0036  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS</b>	Patent Number	7010536
	Issue Date	07-Mar-2006
	First Named Inventor	Michael J. DE ANGELO
	Title	SYSTEM AND METHOD FOR CREA
	Attorney Docket Number	20933.4001

I hereby revoke all previous powers of attorney given in the above-identified patent.

A Power of Attorney is submitted herewith.

**OR**

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: 34313

**OR**

I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified patent to:

The address associated with the above-mentioned Customer Number.

**OR**

The address associated with Customer Number:

**OR**

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Email		

I am the:

inventor, having ownership of the patent.

**OR**

Patent owner.  
Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on \_\_\_\_\_

Signature	<i>Michael De Angelo</i>	SIGNATURE of Inventor or Patent Owner	
Name	MICHAEL DE ANGELO	Date	MAY 2, 2012
Title and Company	CEO, INCANDESCENT, INC	Telephone	

NOTE: Signatures of all the inventors or patent owners of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

\*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

American LegalNet, Inc.  
www.FormsWorkflow.com



United States Patent and Trademark Office

[Home](#) | [Site Index](#) | [Search](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)**Assignments on the Web > Patent Query****Patent Assignment Abstract of Title**

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

**Total Assignments: 4****Patent #:** [7010536](#)      **Issue Dt:** 03/07/2006      **Application #:** 09284113      **Filing Dt:** 04/07/1999**Inventor:** MICHAEL DE ANGELO**Title:** SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS**Assignment: 1****Reel/Frame:** [010517/0456](#)      **Recorded:** 04/07/1999      **Pages:** 2**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** [DE ANGELO, MICHAEL](#)**Exec Dt:** 04/05/1999**Assignee:** [EMATRIX CORPORATION](#)

SUITE C

104 WEST ANAPAMU

SANTA BARBARA, CALIFORNIA 93101

**Correspondent:** FENWICK & WEST LLP  
GREG T. SUEOKA, ESQ.  
TWO PALO ALTO SQUARE  
PALO ALTO, CA 94306**Assignment: 2****Reel/Frame:** [016675/0763](#)      **Recorded:** 06/09/2005      **Pages:** 2**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** [EMATRIX CORPORATION](#)**Exec Dt:** 06/06/2005**Assignee:** [PATTERN INTELLIGENCE, INC.](#)

100 SOUTH SUNRISE WAY

PALM SPRINGS, CALIFORNIA 92264

**Correspondent:** FISH & RICHARDSON P.C.  
PO BOX 1022  
MINNEAPOLIS, MN 55440-1022**Assignment: 3****Reel/Frame:** [022878/0481](#)      **Recorded:** 06/29/2009      **Pages:** 3**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** [PATTERN INTELLIGENCE, INC.](#)**Exec Dt:** 06/26/2009**Assignee:** [INCANDESCENT, INC.](#)

P.O. BOX 15194

SAN RAFAEL, CALIFORNIA 94915

**Correspondent:** SANJEET K. DUTTA  
4 PARK PLAZA  
SUITE 1600  
IRVINE, CA 92614**Assignment: 4****Reel/Frame:** [022886/0273](#)      **Recorded:** 06/29/2009      **Pages:** 3**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** [EMATRIX CORPORATION](#)**Exec Dt:** 06/26/2009

**Assignee:** PATTERN INTELLIGENCE, INC.  
P.O. BOX 15194  
SAN RAFAEL, CALIFORNIA 94915

**Correspondent:** SANJEET K. DUTTA  
4 PARK PLAZA  
SUITE 1600  
IRVINE, CA 92614

Search Results as of: 05/02/2012 09:56 PM

If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350. v.2.3.1  
Web interface last modified: Jan 26, 2012 v.2.3.1

[| HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)



## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	09284113
<b>Filing Date:</b>	07-Apr-1999
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS
<b>First Named Inventor/Applicant Name:</b>	MICHAEL DE ANGELO
<b>Filer:</b>	Mark Jonathan Shean/Victor Santos
<b>Attorney Docket Number:</b>	17776-002US1

Filed as Large Entity

### U.S. National Stage under 35 USC 371 Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
Certificate of correction	1811	1	100	100

**Extension-of-Time:**

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>100</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	12691189
<b>Application Number:</b>	09284113
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1910
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS
<b>First Named Inventor/Applicant Name:</b>	MICHAEL DE ANGELO
<b>Customer Number:</b>	26181
<b>Filer:</b>	Mark Jonathan Shean/Victor Santos
<b>Filer Authorized By:</b>	Mark Jonathan Shean
<b>Attorney Docket Number:</b>	17776-002US1
<b>Receipt Date:</b>	02-MAY-2012
<b>Filing Date:</b>	07-APR-1999
<b>Time Stamp:</b>	22:08:10
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$100
RAM confirmation Number	9157
Deposit Account	150665
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. 1.492 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	transmittal.pdf	273715 f040ad00733b0669b4a6af13f4cb895703998473	no	4

### Warnings:

### Information:

2		POA.PDF	354807 2fcaac14f4daa693cc01fb8faeb050ff83950e967	yes	4
---	--	---------	---	-----	---

### Multipart Description/PDF files in .zip description

Document Description	Start	End
Assignee showing of ownership per 37 CFR 3.73(b).	1	1
Power of Attorney	2	4

### Warnings:

### Information:

3	Fee Worksheet (SB06)	fee-info.pdf	30273 d5fbf59791787a0377fc3d000d88297afed8f18	no	2
---	----------------------	--------------	--	----	---

### Warnings:

### Information:

**Total Files Size (in bytes):** 658795

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

#### **New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### **National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

#### **New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/284,113	04/07/1999	MICHAEL DE ANGELO	17776-002US1

**CONFIRMATION NO. 1910**

**IMPROPER CPOA LETTER**

26181  
FISH & RICHARDSON P.C.  
PO BOX 1022  
MINNEAPOLIS, MN 55440-1022



Date Mailed: 05/21/2008

**NOTICE REGARDING POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 05/09/2008. The Power of Attorney in this application is not accepted for the reason(s) listed below:

- The attorney or agent requesting to withdraw has not been appointed attorney of record in the application (i.e., there is no power of attorney). Accordingly, the withdrawal cannot be accepted because the practitioner seeking to withdraw is not of record. Moreover, a patent practitioner cannot withdraw another practitioner of record unless they also withdraw himself or herself, and affirm that they are acting on behalf of the other patent practitioner(s). To revoke the power of attorney given to another patent practitioner, the applicant must comply with 37 CFR 1.36(a).

/atesfai/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REQUEST FOR WITHDRAWAL AS ATTORNEY OR AGENT AND CHANGE OF CORRESPONDENCE ADDRESS</b>	Application Number	09/284,113
	Filing Date	April 7, 1999
	First Named Inventor	Michael De Angelo
	Art Unit	2171
	Examiner Name	Cam Linh T. Nguyen
	Attorney Docket Number	PATT-002/01US

**To: Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Please withdraw me as attorney or agent for the above identified patent application, and  
 all the attorneys/agents of record.

the attorneys/agents (with registration numbers) listed on the attached paper(s), or

the attorneys/agents associated with Customer Number

NOTE: This box can only be checked when the power of attorney of record in the application is to all the practitioners associated with a customer number.

The reasons for this request are: **Disengaging due to lack of payment.**

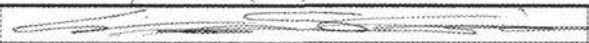
**CORRESPONDENCE ADDRESS**

1.  The correspondence address is NOT affected by this withdrawal.

2.  Change the correspondence address and direct all future correspondence to:

The address associated with Customer Number:

**OR**

<input checked="" type="checkbox"/> Firm or Individual Name	Michael De Angelo, Pattern Intelligence, Inc.		
Address	6796 Giovanetti Road		
City	Forestville	State CA	Zip 95472
Country	U.S.A.		
Telephone	Direct: (760) 799-0379	Email ab9ac99@yahoo.com	
Signature			Registration No. 33,885
Name	William S. Galliani	Telephone No. 650-843-5000	
Date	May 8, 2008		

NOTE: Withdrawal is effective when approved rather than when received. Unless there are at least 30 days between approval of withdrawal and the expiration date of a time period for response or possible extension period, the request to withdraw is normally disapproved.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	3279720
<b>Application Number:</b>	09284113
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1910
<b>Title of Invention:</b>	SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS
<b>First Named Inventor/Applicant Name:</b>	MICHAEL DE ANGELO
<b>Customer Number:</b>	26181
<b>Filer:</b>	William S. Galliani/Gina Luna
<b>Filer Authorized By:</b>	William S. Galliani
<b>Attorney Docket Number:</b>	17776-002US1
<b>Receipt Date:</b>	09-MAY-2008
<b>Filing Date:</b>	07-APR-1999
<b>Time Stamp:</b>	12:41:49
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	no
------------------------	----

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Change of Address	Request_For_Withdrawal.pdf	140180 <small>0caa2297ed7ce8903763a0dc33b3029 8ceab769c</small>	no	1

### Warnings:

### Information:

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

\*BIBDATASHEET\*

CONFIRMATION NO. 1910

Bib Data Sheet

SERIAL NUMBER 09/284,113	FILING DATE 04/07/1999  RULE	CLASS 707	GROUP ART UNIT 2161	ATTORNEY DOCKET NO. 17776-002US1
-----------------------------	---------------------------------------	--------------	------------------------	-------------------------------------

APPLICANTS

MICHAEL DE ANGELO, SANTA BARBARA, CA;

\*\* CONTINUING DATA \*\*\*\*\*

This application is a 371 of PCT/US99/01988 01/28/1999  
 which claims benefit of 60/073,209 01/30/1998

\*\* FOREIGN APPLICATIONS \*\*\*\*\*

IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\* SMALL ENTITY \*\*

\*\* 04/12/2000

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 30	TOTAL CLAIMS 36	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	EXAMINER'S SIGNATURE	INITIALS		
Verified and Acknowledged				

ADDRESS

26181  
 FISH & RICHARDSON P.C.  
 PO BOX 1022  
 MINNEAPOLIS , MN  
 55440-1022

TITLE

SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS

FILING FEE RECEIVED 669	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____
----------------------------	---	--



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/284,113	04/07/1999	MICHAEL DE ANGELO	17776-002US1	1910

26181 7590 01/17/2006  
FISH & RICHARDSON P.C.  
PO BOX 1022  
MINNEAPOLIS, MN 55440-1022

EXAMINER

NGUYEN, CAM LINH T

ART UNIT PAPER NUMBER

2161

DATE MAILED: 01/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Response to Rule 312 Communication**

Application No.  
**09284113**

Applicant(s)

Examiner

Art Unit

*--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

1.  The amendment filed on 10-24-05 under 37 CFR 1.312 has been considered, and has been:

a)  entered.

b)  entered as directed to matters of form not affecting the scope of the invention.

c)  disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d)  disapproved. See explanation below.

e)  entered in part. See explanation below.

*A. Marty Willis*

**Publishing Division**

OCT 24 2005

Attorney's Docket No.: 17776-002US1

**OFFICIAL COMMUNICATION FACSIMILE:**

**OFFICIAL FAX NO: (571) 273-8300**

Number of pages including this page 5

Applicant : DeAngelo, Michael  
Serial No. : 09/284,113  
Filed : April 7, 1999

Art Unit : 2161  
Examiner : Cam Lihn T. Nguyen

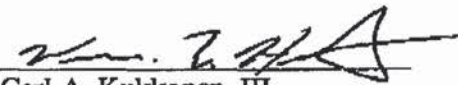
Title : System and Method for Creating and Manipulating Information Containers with Dynamic Registers

**Mail Stop Issue Fee**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attached to this facsimile communication cover sheet is a Response to Notice of Drawing Inconsistency and copy of the Notice of Drawing Inconsistency with Specification, faxed this 24<sup>th</sup> day of October, 2005, to the United States Patent and Trademark Office.

Respectfully submitted,

Date: October 24, 2005

*Ar*   
Carl A. Kukkonen, III  
Reg. No. 42,773

Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
Telephone: (858) 678-5070  
Fax: (858) 678-5099

**WILLIAM E. HUNTER**  
**REG. NO 47,671**

10564047.doc

NOTE: This facsimile is intended for the addressee only and may contain privileged or confidential information. If you have received this facsimile in error, please immediately call us collect at (858) 678-5070 to arrange for its return. Thank you.



**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE**NOTICE OF DRAWING INCONSISTENCY WITH SPECIFICATION**

The drawings filed 04-07-1999 have been received. However, an inconsistency exists between the drawings and the Brief Description of the Drawings in the specification.

Figure \_\_\_\_\_ is listed in the Brief Description of the Drawings in the specification but not contained in the Drawings.

Figure 3B is contained in the Drawings but not listed in the Brief Description of the Drawings in the specification.

Applicant is required to correct the above-noted inconsistency within a time period of **ONE MONTH or THIRTY (30) DAYS, whichever is longer**, from the mailing date of this Notice, or within the time remaining in the time period set forth in the Notice of Allowability (Form PTOL-37) to file corrected drawings, whichever is longer. **NO EXTENSION OF THIS TIME PERIOD MAY BE GRANTED UNDER EITHER 37 CFR 1.136 (a) OR (b)**

Failure to correct the above noted inconsistency will result in **abandonment** of the application.

The file will be held in the Publishing Division to await the correction of the inconsistency.

**Return Corrected Drawings/Specification to:**

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450

Alexandria, VA 22313-1450

Office of Patent Publication/Publishing Division  
Customer Service: 703-308-6789  
1-888-786-0101

FORM PTO-1631 (REV. 10-03)

Attorney's Docket No.:17776-002US1

Amendments to the Specification:

Please add a new paragraph after the paragraph beginning at page 9, line 2:

Fig. 3B is a graphical representation for a second embodiment of a container having a plurality of containers nested within that container.

Attorney's Docket No.: 17776-002US1

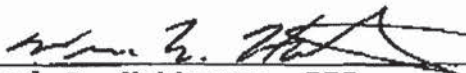
REMARKS

The specification has been amended to add a brief description for Fig. 3B (for support, see, inter alia, specification page 17, lines 3-12). No new matter is added. Hence, the application as amended is now in full condition for issuance.

Applicants ask that this matter now proceed to issuance. Please apply any applicable charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: Oct. 24, 2005


  
for Carl A. Kukkonen, III  
Reg. No. 42,773


Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
(858) 678-5070 telephone  
(858) 678-5099 facsimile

**WILLIAM E. HUNTER**  
**REG. NO 47,671**

10563724.doc



<b>Issue Classification</b> 	Application No.	Applicant(s)	
	09/284,113	DE ANGELO, MICHAEL	
	Examiner	Art Unit	
	CamLinh Nguyen	2161	

ISSUE CLASSIFICATION										
ORIGINAL				CROSS REFERENCE(S)						
CLASS	SUBCLASS			CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
707	100			707	203					
INTERNATIONAL CLASSIFICATION										
G	0	8	F	17/30						
				/						
				/						
				/						
<i>Nguyen CamLinh</i> 9/26/05 (Assistant Examiner) (Date)				 <b>FRANTZ COBY</b> PRIMARY EXAMINER				Total Claims Allowed: <del>14</del> <b>16</b>		
(Legal Instruments Examiner) (Date)				(Primary Examiner) (Date)				O.G. Print Claim(s)	O.G. Print Fig.	
								1	2A	

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47					
Final	Original	Final	Original	Final	Original	Final	Original				
1	1		31		61		121		151		181
14	2		32		62		122		152		182
3	3		33		63		123		153		183
4	4		34		64		124		154		184
5	5		35		65		125		155		185
6	6		36		66		126		156		186
7	7	2	37		67		127		157		187
	8	15	38		68		128		158		188
	9	16	39		69		129		159		189
8	10		40		70		130		160		190
	11		41		71		131		161		191
	12		42		72		132		162		192
	13		43		73		133		163		193
	14		44		74		134		164		194
9	15		45		75		135		165		195
10	16		46		76		136		166		196
11	17		47		77		137		167		197
12	18		48		78		138		168		198
13	19		49		79		139		169		199
	20		50		80		140		170		200
	21		51		81		141		171		201
	22		52		82		142		172		202
	23		53		83		143		173		203
	24		54		84		144		174		204
	25		55		85		145		175		205
	26		56		86		146		176		206
	27		57		87		147		177		207
	28		58		88		148		178		208
	29		59		89		149		179		209
	30		60		90		150		180		210

# ● PRINTER RUSH ●

(PTO ASSISTANCE)

*3rd Request*

Application: <u>09284113</u>	Examiner: <u>Nguyen</u>	GAU: <u>2161</u>
From: <u>J. Black</u>	Location: <u>FDC FMF FDC</u>	Date: <u>9/17/05</u>

Tracking #: 06086395      Week Date: 3/14/05

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input checked="" type="checkbox"/> CLM	<u>1/3/05</u>	<input type="checkbox"/> Document Legibility
<input checked="" type="checkbox"/> IIFW	<u>6/20/05</u>	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input type="checkbox"/> DRW	_____	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	

**[RUSH] MESSAGE:**  
*Renumbered claims 2-7 and 9-13 (originals 2-7 and 15-19) depend on renumbered claim 14 (original claim 37).*

\_\_\_\_\_

\_\_\_\_\_


*Please review.*

**[XRUSH] RESPONSE:** *After discuss with Laufer Pinchus in the SRF Shop please correct the claims as follow:*

- \* Original independent claim 37 is renumbered as 2
- \* Original dependent claim 2 is renumbered as 14
- \* see the issue classification

**INITIALS:** LN

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.  
 REV 10/04

<b>Issue Classification</b> 	Application No.	Applicant(s)	
	09/284,113	DE ANGELO, MICHAEL	
	Examiner	Art Unit	
	CamLinh Nguyen	2161	

ISSUE CLASSIFICATION										
ORIGINAL					CROSS REFERENCE(S)					
CLASS		SUBCLASS			CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
707		100			707	203				
INTERNATIONAL CLASSIFICATION										
G	0	6	F	17/30						
				/						
				/						
				/						
				/						

<i>Nguyen CamLinh</i> 9/26/05 (Assistant Examiner) (Date)	<i>Frantz Coby</i> <b>FRANTZ COBY</b> <b>PRIMARY EXAMINER</b> (Primary Examiner) (Date)	<b>Total Claims Allowed: 14</b>  <table border="1" style="width: 100%;"> <tr> <td>O.G. Print Claim(s)</td> <td>O.G. Print Fig.</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2A</td> </tr> </table>	O.G. Print Claim(s)	O.G. Print Fig.	1	2A
O.G. Print Claim(s)	O.G. Print Fig.					
1	2A					
(Legal Instruments Examiner) (Date)						

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original
1	1		31		61		91
14	2		32		62		92
3	3		33		63		93
4	4		34		64		94
5	5		35		65		95
6	6		36		66		96
7	7	2	37		67		97
	8	15	38		68		98
	9	16	39		69		99
8	10		40		70		100
	11		41		71		101
	12		42		72		102
	13		43		73		103
	14		44		74		104
9	15		45		75		105
10	16		46		76		106
11	17		47		77		107
12	18		48		78		108
13	19		49		79		109
	20		50		80		110
	21		51		81		111
	22		52		82		112
	23		53		83		113
	24		54		84		114
	25		55		85		115
	26		56		86		116
	27		57		87		117
	28		58		88		118
	29		59		89		119
	30		60		90		120
							121
							122
							123
							124
							125
							126
							127
							128
							129
							130
							131
							132
							133
							134
							135
							136
							137
							138
							139
							140
							141
							142
							143
							144
							145
							146
							147
							148
							149
							150
							151
							152
							153
							154
							155
							156
							157
							158
							159
							160
							161
							162
							163
							164
							165
							166
							167
							168
							169
							170
							171
							172
							173
							174
							175
							176
							177
							178
							179
							180
							181
							182
							183
							184
							185
							186
							187
							188
							189
							190
							191
							192
							193
							194
							195
							196
							197
							198
							199
							200
							201
							202
							203
							204
							205
							206
							207
							208
							209
							210



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/284.113	04/07/1999	MICHAEL DE ANGELO	3726-US	1910

7590 09/23/2005  
Fish & Richardson  
500 Arguello Street  
Suite 500  
Redwood City, CA 94063

EXAMINER

NGUYEN, CAM LINH T

ART UNIT	PAPER NUMBER
2161	

DATE MAILED: 09/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

### NOTICE OF DRAWING INCONSISTENCY WITH SPECIFICATION

The drawings filed 04 - 07 - 1999 have been received. However, an inconsistency exists between the drawings and the Brief Description of the Drawings in the specification.

Figure \_\_\_\_\_ is listed in the Brief Description of the Drawings in the specification but not contained in the Drawings.

Figure 3B is contained in the Drawings but not listed in the Brief Description of the Drawings in the specification.

Applicant is required to correct the above-noted inconsistency within a time period of **ONE MONTH or THIRTY (30) DAYS, whichever is longer**, from the mailing date of this Notice, or within the time remaining in the time period set forth in the Notice of Allowability (Form PTOL-37) to file corrected drawings, whichever is longer. **NO EXTENSION OF THIS TIME PERIOD MAY BE GRANTED UNDER EITHER 37 CFR 1.136 (a) OR (b)**

Failure to correct the above noted inconsistency will result in **abandonment** of the application.

The file will be held in the Publishing Division to await the correction of the inconsistency.

**Return Corrected Drawings/Specification to:**

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450

Alexandria, VA 22313-1450

Office of Patent Publication/Publishing Division

Customer Service: 703-308-6789  
1-888-786-0101

FORM PTO-1631 (REV. 10-03)



# ● PRINTER RUSH ●

(PTO ASSISTANCE)

2nd Request

Application :	<u>09284113</u>	Examiner :	<u>Nguyen</u>	GAU :	<u>2M1</u>
From :	<u>J Blach</u>	Location :	<u>IDC</u> FMF FDC	Date :	<u>7/13/05</u>

Tracking #: 06086395      Week Date: 3/14/05

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input checked="" type="checkbox"/> CLM	<u>1/3/05</u>	<input type="checkbox"/> Document Legibility
<input checked="" type="checkbox"/> IIFW	<u>4/20/05</u>	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input type="checkbox"/> DRW	_____	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	

**[RUSH] MESSAGE:**

Original claims 1-7 and renumbered claims 9-13 (originals 15-19) depend upon higher claim renumbered claim #1 (original claim 37).

Please resolve

**[XRUSH] RESPONSE:**

A) Original <sup>independent</sup> claim 37 is renumbered as independent claim #4

B) Original dependent claims 15-19 are renumbered as dependent claims 9-13 which depend on independent claim 1


C) Original independent claim 1 is renumbered as independent claim 1

D) Claim 9 was canceled.

**INITIALS:** LN

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

<b>Issue Classification</b> 	Application No.	Applicant(s)	
	09/284,113	DE ANGELO, MICHAEL	
	Examiner	Art Unit	
	CamLinh Nguyen	2161	

ORIGINAL				CROSS REFERENCE(S)			
CLASS	SUBCLASS			CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)		
707	100			707	203		
INTERNATIONAL CLASSIFICATION							
G	0	B	F	17/30			
				/			
				/			
				/			
				/			

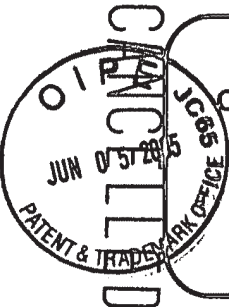
<i>Nguyen CamLinh</i> (Assistant Examiner) (Date) 2/23/05	<i>Alford Kindred</i> ALFORD KINDRED PRIMARY EXAMINER (Primary Examiner) (Date) 2/21/05	Total Claims Allowed: 16
(Legal Instruments Examiner) (Date)		O.G. Print Claim(s) 1
		O.G. Print Fig. 2A

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original
1	1		31		61		91
2	2		32		62		92
3	3		33		63		93
4	4		34		64		94
5	5		35		65		95
6	6		36		66		96
7	7	(14)	37		67		97
	8	(15)	38		68		98
	9	(16)	39		69		99
8	10		40		70		100
	11		41		71		101
	12		42		72		102
	13		43		73		103
	14		44		74		104
9	15		45		75		105
10	16		46		76		106
11	17		47		77		107
12	18		48		78		108
13	19		49		79		109
	20		50		80		110
	21		51		81		111
	22		52		82		112
	23		53		83		113
	24		54		84		114
	25		55		85		115
	26		56		86		116
	27		57		87		117
	28		58		88		118
	29		59		89		119
	30		60		90		120
							121
							122
							123
							124
							125
							126
							127
							128
							129
							130
							131
							132
							133
							134
							135
							136
							137
							138
							139
							140
							141
							142
							143
							144
							145
							146
							147
							148
							149
							150
							151
							152
							153
							154
							155
							156
							157
							158
							159
							160
							161
							162
							163
							164
							165
							166
							167
							168
							169
							170
							171
							172
							173
							174
							175
							176
							177
							178
							179
							180
							181
							182
							183
							184
							185
							186
							187
							188
							189
							190
							191
							192
							193
							194
							195
							196
							197
							198
							199
							200
							201
							202
							203
							204
							205
							206
							207
							208
							209
							210





GP2161  
B1270



**CHANGE OF  
CORRESPONDENCE ADDRESS  
Application**

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Application Number	09/284,113
Filing Date	April 7, 1999
First Named Inventor	DeAngelo, Michael
Group Art Unit	2161
Examiner Name	Cam Lihn T. Nguyen
Attorney Docket Number	17776-002US1

Please change the Correspondence Address for the above-identified application to:

**Customer Number:** 26181

**Firm or Individual Name** Dorian Cartwright

**Address**

**Address**

**City** **State** **Zip**

**Country** United States of America

**Telephone** (650) 839-5070 **Fax** (650) 839-5071

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the :

- Applicant/Inventor.
- Assignee of record of the entire interest. Certificate under 37 CFR 3.73(b) is enclosed.
- Attorney or agent of record. Registration Number 53,853
- Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number 53,853

Typed or Printed

Name Dorian Cartwright

Signature *Dorian Cartwright*

Date 6/23/05 Telephone (650) 839-5070

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of \_\_\_\_\_ forms are submitted.

# ● PRINTER RUSH ●

(PTO ASSISTANCE)

Application : <u>09/284113</u>	Examiner : <u>Kindred</u>	GAU : <u>2161</u>
From : <u>PAP</u>	Location : <u>IDO</u> FMF FDC	Date : <u>5/18/05</u>
Tracking # : <u>06086395</u>		Week Date : <u>3/14/05</u>

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input checked="" type="checkbox"/> CLM	<u>11/3/2005</u>	<input type="checkbox"/> Document Legibility
<input checked="" type="checkbox"/> IIFW	<u>3/17/2005</u>	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input type="checkbox"/> DRW	_____	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	


[RUSH] MESSAGE: Original claims 1 through 7 and renumbered claims 9 through 13 (original claims 15 through 19) depend on renumbered claim 14 (original claim 37).

Thank you

[XRUSH] RESPONSE: I have reviewed and the claims 2-7, 10, 15-19 (original) depend on either 1 or 37, therefore, the way that I renumbered was correct ~~was~~ same ~~as~~ order ~~as~~ in the increased Issue Classification

**INITIALS:** LN

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.  
REV 10/04

<b>Issue Classification</b> 	Application No.	Applicant(s)	
	09/284,113	DE ANGELO, MICHAEL	
	Examiner	Art Unit	
	CamLinh Nguyen	2161	

ISSUE CLASSIFICATION										
ORIGINAL				CROSS REFERENCE(S)						
CLASS	SUBCLASS			CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
707	100			707	203					
INTERNATIONAL CLASSIFICATION										
G	0	6	F	17/30						
				/						
				/						
				/						
				/						
<i>Nguyen CamLinh</i> 2/23/05 (Assistant Examiner) (Date)				<i>Alford Kindred</i> <b>ALFORD KINDRED</b> <b>PRIMARY EXAMINER</b> 2/21/05 (Primary Examiner) (Date)				Total Claims Allowed: 16		
(Legal Instruments Examiner) (Date)								O.G. Print Claim(s)	O.G. Print Fig.	
								1	2A	

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original
1	1		31		61		91
2	2		32		62		121
3	3		33		63		122
4	4		34		64		123
5	5		35		65		124
6	6		36		66		125
7	7	14	37		67		126
	8	15	38		68		127
	9	16	39		69		128
8	10		40		70		129
	11		41		71		130
	12		42		72		131
	13		43		73		132
	14		44		74		133
9	15		45		75		134
10	16		46		76		135
11	17		47		77		136
12	18		48		78		137
13	19		49		79		138
	20		50		80		139
	21		51		81		140
	22		52		82		141
	23		53		83		142
	24		54		84		143
	25		55		85		144
	26		56		86		145
	27		57		87		146
	28		58		88		147
	29		59		89		148
	30		60		90		149
							150
							151
							152
							153
							154
							155
							156
							157
							158
							159
							160
							161
							162
							163
							164
							165
							166
							167
							168
							169
							170
							171
							172
							173
							174
							175
							176
							177
							178
							179
							180
							181
							182
							183
							184
							185
							186
							187
							188
							189
							190
							191
							192
							193
							194
							195
							196
							197
							198
							199
							200
							201
							202
							203
							204
							205
							206
							207
							208
							209
							210



PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail  
or Fax

Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

26181 7590 03/07/2005

FISH & RICHARDSON P.C.  
500 ARGUELLO STREET, SUITE 500  
REDWOOD CITY, CALIFORNIA 94063

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Form with fields for Depositor's name (Emma Durrell), Signature (Emma Durrell), and Date (06/07/2005)

06/10/2005 HGUTEMAR2 00000032 09284113

01 FC:2501 700.00 OP  
02 FC:8001 3.00 OP

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

TITLE OF INVENTION: SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS

Table with 6 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE, PUBLICATION FEE, TOTAL FEE(S) DUE, DATE DUE

Table with 3 columns: EXAMINER, ART UNIT, CLASS-SUBCLASS

- 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm...

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.
(A) NAME OF ASSIGNEE: PATTERN INTELLIGENCE, INC.
(B) RESIDENCE (CITY AND STATE OR COUNTRY): Palm Springs, California

Please check the appropriate assignee category or categories (will not be printed on the patent): [ ] individual [X] corporation or other private group entity [ ] government

- 4a. The following fee(s) are enclosed: [X] Issue Fee, [ ] Publication Fee, [X] Advance Order - # of Copies 1
4b. Payment of Fee(s): [X] A check in the amount of the fee(s) is enclosed, [ ] Payment by credit card, [X] The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 06-1050

5. Change in Entity Status (from status indicated above)
[X] a. Applicant claims SMALL ENTITY status. See 37 CFR 1.2.7. [ ] b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered agent or; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature) Dorian Cartwright (Date) June 7, 2005
Typed or Printed Name Dorian Cartwright Registration No. 53,853

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)



# ● PRINTER RUSH ●

(PTO ASSISTANCE)

Application : <u>09/284113</u>	Examiner : <u>Kindred</u>	GAU : <u>2161</u>
From : <u>PAP</u>	Location : <u>IDO</u> FMF FDC	Date : <u>5/18/05</u>
Tracking # : <u>06086395</u>		Week Date : <u>3/14/05</u>

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input checked="" type="checkbox"/> CLM	<u>11/3/2005</u>	<input type="checkbox"/> Document Legibility
<input checked="" type="checkbox"/> IIFW	<u>3/17/2005</u>	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input type="checkbox"/> DRW	_____	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	

[RUSH] MESSAGE: Original claims 1 through 7 and renumbered claims 9 through 13 (original claims 15 through 19) depend on renumbered claim 14 (original claim 37).

thank you

[XRUSH] RESPONSE: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**INITIALS:**

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.  
REV 10/04







<b>FORM PTO-1449</b> (REV. 6-89)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	Attorney's Docket No. <b>3726</b>	Serial No. <b>09/28/113</b> <b>RECEIVED</b>
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		Applicant <b>Michael De Angelo - 5 2000</b>	
		Filing Date <b>April 7, 1999</b>	Group Art Unit <b>Group 2700</b>

**U.S. PATENT DOCUMENTS**

Examiner Initial	A	5	7	6	8	5	1	0	Date	Name	Class	Subclass	Filing Date if Appropriate
LN	A	5	7	6	8	5	1	0	06/16/98	Gish	395	200.33	07/01/96
LN	B	5	8	4	8	2	4	6	12/08/98	Gish	395	200.58	07/01/96

**RECEIVED**  
JUL 19 1999  
Group 3700

**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER <i>Nyngan Cornhub</i>	DATE CONSIDERED <b>1/30/03</b>
--------------------------------	--------------------------------

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 03/07/2005
Fish & Richardson
500 Arguello Street
Suite 500
Redwood City, CA 94063

EXAMINER: NGUYEN, CAM LINH T
ART UNIT: 2161 PAPER NUMBER:
DATE MAILED: 03/07/2005

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Values: 09/284,113, 04/07/1999, MICHAEL DE ANGELO, 3726-US, 1910

TITLE OF INVENTION: SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS

Table with 6 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE, PUBLICATION FEE, TOTAL FEE(S) DUE, DATE DUE
Values: nonprovisional, NO, \$1400, \$0, \$1400, 06/07/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:
A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(703) 746-4000**

or **Fax**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590 03/07/2005

Fish & Richardson  
500 Arguello Street  
Suite 500  
Redwood City, CA 94063

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

_____	(Depositor's name)
_____	(Signature)
_____	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/284,113	04/07/1999	MICHAEL DE ANGELO	3726-US	1910

TITLE OF INVENTION: SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	06/07/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, CAM LINH T	2161	707-001000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list  
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 \_\_\_\_\_  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE \_\_\_\_\_

(B) RESIDENCE: (CITY and STATE OR COUNTRY) \_\_\_\_\_

Please check the appropriate assignee category or categories (will not be printed on the patent) :  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are enclosed:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

- A check in the amount of the fee(s) is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/284,113	04/07/1999	MICHAEL DE ANGELO	3726-US	1910

7590 03/07/2005

Fish & Richardson  
500 Arguello Street  
Suite 500  
Redwood City, CA 94063

EXAMINER

NGUYEN, CAM LINH T

ART UNIT PAPER NUMBER

2161

DATE MAILED: 03/07/2005

**Determination of Patent Term Extension under 35 U.S.C. 154 (b)**  
(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

**Notice of Allowability**

<b>Application No.</b>	<b>Applicant(s)</b>	
09/284,113	DE ANGELO, MICHAEL	
<b>Examiner</b>	<b>Art Unit</b>	
CamLinh Nguyen	2161	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1.  This communication is responsive to amendment filed 01/03/2005.
- 2.  The allowed claim(s) is/are 1 - 7, 10, 15 - 19, 37 - 39.
- 3.  The drawings filed on 07 April 1999 are accepted by the Examiner.
- 4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    - 1.  Certified copies of the priority documents have been received.
    - 2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    - 3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

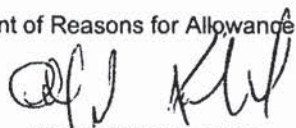
\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

- 5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  - 6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
    - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- 1.  Notice of References Cited (PTO-892)
- 2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
- 4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5.  Notice of Informal Patent Application (PTO-152)
- 6.  Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
- 7.  Examiner's Amendment/Comment
- 8.  Examiner's Statement of Reasons for Allowance
- 9.  Other \_\_\_\_\_

  
**ALFORD KINDRED**  
**PRIMARY EXAMINER**

## **DETAILED ACTION**

### ***Response to Amendment***

1. This Office Action is responsive to Amendment papers filed 01/03/2005. Consequently, Advisory Action mailed on 01/26/2005 is withdrawn.
2. Applicant's amendments to the specification are acknowledged. Consequently, the objection to the Specification is withdrawn and the specification has amended to include a new abstract.
3. Applicant's amendments to the claims are acknowledged. Consequently, claims 1, 10, 37 are amended; claims 38 – 39 are added to include limitations of claims 1 and 10 and 37 and 10 respectively. Claims 8 – 9, 11 – 14, 20 – 36 are cancelled. Claims 1 – 7, 10, 15 – 19, 37 – 39 are pending in this application.
4. Claims 1 – 7, 10, 15 – 19, 37 – 39 are renumbered as 1 – 16 respectively.

### ***Allowable Subject Matter***

5. Claims 1 – 7, 10, 15 – 19, 37 – 39 are allowed.
6. The following is an examiner's statement of reasons for allowance: in independent claims 1 and 37, an apparatus including a plurality of containers, each container comprising an information element, plurality of registers wherein the plurality of registers including an active time register, passive time register, neutral time register, in conjunction with the other claim limitations, and in independent claims 38 – 39 an apparatus including a plurality of containers,

Art Unit: 2161

each container comprising an information element, plurality of registers wherein the plurality of registers including a first register for storing container ID value, an acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them, taken with the other limitations of the claim, were not disclosed by, would not have been obvious over, nor otherwise fairly disclosed by the prior art of record.

7. The dependent claims, being further limiting, definite and fully enabled by the Specification, are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CamLinh Nguyen whose telephone number is (571) 272 - 4024. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (571) 272 - 4023. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2161

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nguyen, Cam-Linh

Art Unit 2161



<b>Notice of References Cited</b>	Application/Control No. 09/284,113	Applicant(s)/Patent Under Reexamination DE ANGELO, MICHAEL	
	Examiner CamLinh Nguyen	Art Unit 2161	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,173,280 B1	01-2001	Ramkumar et al.	707/6
B	US-6,154,782 A	11-2000	Kawaguchi et al.	709/239
C	US-6,198,738 B1	03-2001	Chang et al.	370/352
D	US-5,815,665 A	09-1998	Teper et al.	709/229
E	US-6,075,791 A	06-2000	Chiussi et al.	370/412
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			


**FOREIGN PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

**NON-PATENT DOCUMENTS**

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	
V	
W	
X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<b>Issue Classification</b> 	Application No.	Applicant(s)	
	09/284,113	DE ANGELO, MICHAEL	
	Examiner	Art Unit	
	CamLinh Nguyen	2161	

ISSUE CLASSIFICATION											
ORIGINAL					CROSS REFERENCE(S)						
CLASS	SUBCLASS				CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
707	100				707	203					
INTERNATIONAL CLASSIFICATION											
G	0	6	F	17/30							
				/							
				/							
				/							
				/							
<i>Nguyen CamLinh</i> 2/23/05 (Assistant Examiner) (Date)					<i>Alford Kindred</i> <b>ALFORD KINDRED</b> <b>PRIMARY EXAMINER</b> 2/21/05 (Primary Examiner) (Date)					<b>Total Claims Allowed: 16</b>	
(Legal Instruments Examiner) (Date)					(Primary Examiner) (Date)					O.G. Print Claim(s)	O.G. Print Fig.
										1	2A

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original
1	1		31		61		91
2	2		32		62		92
3	3		33		63		93
4	4		34		64		94
5	5		35		65		95
6	6		36		66		96
7	7	14	37		67		97
	8	15	38		68		98
	9	16	39		69		99
8	10		40		70		100
	11		41		71		101
	12		42		72		102
	13		43		73		103
	14		44		74		104
9	15		45		75		105
10	16		46		76		106
11	17		47		77		107
12	18		48		78		108
13	19		49		79		109
	20		50		80		110
	21		51		81		111
	22		52		82		112
	23		53		83		113
	24		54		84		114
	25		55		85		115
	26		56		86		116
	27		57		87		117
	28		58		88		118
	29		59		89		119
	30		60		90		120
							121
							122
							123
							124
							125
							126
							127
							128
							129
							130
							131
							132
							133
							134
							135
							136
							137
							138
							139
							140
							141
							142
							143
							144
							145
							146
							147
							148
							149
							150
							151
							152
							153
							154
							155
							156
							157
							158
							159
							160
							161
							162
							163
							164
							165
							166
							167
							168
							169
							170
							171
							172
							173
							174
							175
							176
							177
							178
							179
							180
							181
							182
							183
							184
							185
							186
							187
							188
							189
							190
							191
							192
							193
							194
							195
							196
							197
							198
							199
							200
							201
							202
							203
							204
							205
							206
							207
							208
							209
							210



**Index of Claims**



**Application No.**

09/284,113

**Examiner**

CamLinh Nguyen

**Applicant(s)**

DE ANGELO, MICHAEL

**Art Unit**

2161

√	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date			
Final	Original	10/26/04	2/23/05		
1	1	√	=		
2	2	√	=		
3	3	√	=		
4	4	√	=		
5	5	√	=		
6	6	√	=		
7	7	√	=		
	8				
	9	√			
8	10	√	=		
	11				
	12				
	13				
	14	√			
9	15	√	=		
10	16	√	=		
11	17	√	=		
12	18	√	=		
13	19	√	=		
	20				
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				
	32				
	33				
	34				
	35				
	36				
14	37	√	=		
15	38		=		
16	39		=		
	40				
	41				
	42				
	43				
	44				
	45				
	46				
	47				
	48				
	49				
	50				

Claim		Date			
Final	Original				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				
	61				
	62				
	63				
	64				
	65				
	66				
	67				
	68				
	69				
	70				
	71				
	72				
	73				
	74				
	75				
	76				
	77				
	78				
	79				
	80				
	81				
	82				
	83				
	84				
	85				
	86				
	87				
	88				
	89				
	90				
	91				
	92				
	93				
	94				
	95				
	96				
	97				
	98				
	99				
	100				

Claim		Date			
Final	Original				
	101				
	102				
	103				
	104				
	105				
	106				
	107				
	108				
	109				
	110				
	111				
	112				
	113				
	114				
	115				
	116				
	117				
	118				
	119				
	120				
	121				
	122				
	123				
	124				
	125				
	126				
	127				
	128				
	129				
	130				
	131				
	132				
	133				
	134				
	135				
	136				
	137				
	138				
	139				
	140				
	141				
	142				
	143				
	144				
	145				
	146				
	147				
	148				
	149				
	150				



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

**\*BIBDATASHEET\***

CONFIRMATION NO. 1910

Bib Data Sheet

SERIAL NUMBER 09/284,113	FILING DATE 04/07/1999  RULE	CLASS 707	GROUP ART UNIT 2161	ATTORNEY DOCKET NO. 3726-US
-----------------------------	---------------------------------------	--------------	------------------------	--------------------------------

APPLICANTS

MICHAEL DE ANGELO, SANTA BARBARA, CA;

\*\* CONTINUING DATA \*\*\*\*\*

This application is a 371 of PCT/US99/01988 01/28/1999 which claims benefit of 60/073,209 01/30/1998

Yes LW

\*\* FOREIGN APPLICATIONS \*\*\*\*\*

None LW

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 04/12/2000

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 30	TOTAL CLAIMS 16	INDEPENDENT CLAIMS 2
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged Examiner's Signature: <i>[Signature]</i> Initials: <i>[Initials]</i>				

ADDRESS

Fish & Richardson  
 500 Arguello Street  
 Sute 500  
 Redwood City , CA  
 94063

TITLE

SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS

FILING FEE RECEIVED 669	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
----------------------------	---	---



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371(c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/284,113	04/07/1999	MICHAEL DE ANGELO	3726-US

Michael De Angelo  
 Information Equity Corporation  
 100 South Sunrise Boulevard, Suite 470  
 Palm Springs, CA 92262

CONFIRMATION NO. 1910  
 \*OC000000015091115\*  
 \*OC000000015091115\*

Date Mailed: 02/02/2005

## NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 11/03/2004.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

  
 ROSALIND A BALL  
 2100 (571) 272-3566

FORMER ATTORNEY/AGENT COPY

RECEIVED  
 FEB 17 2005  
 Technology Center 2100


Organization **TC2100** Bldg./Room **PK2**

**UNITED STATES PATENT AND TRADEMARK OFFICE**

Washington, D.C. 20231

If Undeliverable Return In Ten Days

Official Business  
Penalty For Private Use, \$300

-  **Return to Sender**  
**AN EQUAL OPPORTUNITY EMPLOYER**
- No Longer at this Address
  - Recipient Refused Delivery
  - Forwarding has Expired
  - Recipient Unknown
  - Insufficient Address



UNITED STATES POSTAGE  
U.S. OFFICIAL MAIL  
PENALTY FOR PRIVATE USE \$300  
02 1A \$ 00.37<sup>0</sup>  
0004204034 FEB 03 2005  
MAILED FROM ZIP CODE 22314

**RECEIVED**  
FEB 17 2005  
Technology Center 2100

~~Washington, D.C. 20231  
Technology Center 2100  
Gate 470~~




**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/284,113	04/07/1999	MICHAEL DE ANGELO	3726-US

Fish & Richardson  
 500 Arguello Street  
 Suite 500  
 Redwood City, CA 94063

**CONFIRMATION NO. 1910**  
 \*OC000000015091147\*  
 \*OC000000015091147\*

Date Mailed: 02/02/2005

**NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 11/03/2004.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

---

ROSALIND A BALL  
 2100 (571) 272-3566

OFFICE COPY




**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/284,113	04/07/1999	MICHAEL DE ANGELO	3726-US

Michael De Angelo  
 Information Equity Corporation  
 100 South Sunrise Boulevard, Suite 470  
 Palm Springs, CA 92262

**CONFIRMATION NO. 1910**  
 \*OC000000015091115\*  
 \*OC000000015091115\*

Date Mailed: 02/02/2005

**NOTICE REGARDING CHANGE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 11/03/2004.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

---

ROSALIND A BALL  
 2100 (571) 272-3566

OFFICE COPY



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/284,113	04/07/1999	MICHAEL DE ANGELO	3726-US	1910

7590 01/26/2005  
Michael De Angelo  
Information Equity Corporation  
100 South Sunrise Boulevard, Suite 470  
Palm Springs, CA 92262

EXAMINER

NGUYEN, CAM LINH T

ART UNIT PAPER NUMBER

2161

DATE MAILED: 01/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Advisory Action</b>	<b>Application No.</b> 09/284,113	<b>Applicant(s)</b> DE ANGELO, MICHAEL	
	<b>Examiner</b> CamLinh Nguyen	<b>Art Unit</b> 2161	

--The MAILING DATE of this communication appears n the cover sheet with the correspondence address --

THE REPLY FILED 03 January 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a)  The period for reply expires 3 months from the mailing date of the final rejection.
- b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1.  A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2.  The proposed amendment(s) will not be entered because:
- (a)  they raise new issues that would require further consideration and/or search (see NOTE below);
  - (b)  they raise the issue of new matter (see Note below);
  - (c)  they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
  - (d)  they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet.

3.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
4.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5.  The a)  affidavit, b)  exhibit, or c)  request for reconsideration has been considered but does NOT place the application in condition for allowance because: \_\_\_\_\_.
6.  The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7.  For purposes of Appeal, the proposed amendment(s) a)  will not be entered or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_.

Claim(s) objected to: \_\_\_\_\_.

Claim(s) rejected: \_\_\_\_\_.

Claim(s) withdrawn from consideration: \_\_\_\_\_.

8.  The drawing correction filed on \_\_\_\_\_ is a)  approved or b)  disapproved by the Examiner.
9.  Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_.
10.  Other: \_\_\_\_\_

Continuation of 2. NOTE: The amended limitation "an active register for identifying times...with other containers, processes, systems or gateways" to independent claims 1 and 37 has changed the scope of the claims that need further search and reconsideration.



UYEN LE  
PRIMARY EXAMINER



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/284,113	04/07/1999	MICHAEL DE ANGELO	3726-US	1910

7590 01/10/2005  
Michael De Angelo  
Information Equity Corporation  
100 South Sunrise Boulevard, Suite 470  
Palm Springs, CA 92262

EXAMINER

NGUYEN, CAM LINH T

ART UNIT PAPER NUMBER

2161

DATE MAILED: 01/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Interview Summary</b>	<b>Application No.</b> 09/284,113	<b>Applicant(s)</b> DE ANGELO, MICHAEL	
	<b>Examiner</b> CamLinh Nguyen	<b>Art Unit</b> 2161	

All participants (applicant, applicant's representative, PTO personnel):

(1) CamLinh Nguyen. (3)\_\_\_\_\_.

(2) Dorian Cartwright (Reg.53,853). (4)\_\_\_\_\_.

Date of Interview: 29 December 2004.

Type: a)  Telephonic b)  Video Conference  
c)  Personal [copy given to: 1)  applicant 2)  applicant's representative]

Exhibit shown or demonstration conducted: d)  Yes e)  No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 1 and 9.

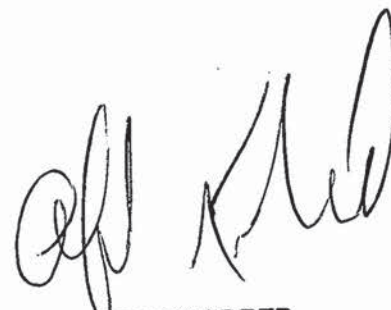
Identification of prior art discussed: U.S. 6,075,791.

Agreement with respect to the claims f)  was reached. g)  was not reached. h)  N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant explains more clearly about the invention and proposed some amendments to clarify the claim language of the invention. The Applicant agrees to file the amendment to clarify the claim language without adding new matter, and the Examiner will consider the amendment. Further action will be made based on the amendment.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

  
**ALFORD KINDRED**  
**PRIMARY EXAMINER**

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.



# STIC Search Report

## EIC 2100

**STIC Database Tracking Number: 141562**

**TO: Cam-Linh T Nguyen**  
**Location: RND 3C21**  
**Art Unit : 2161**  
**Tuesday, January 04, 2005**

**Case Serial Number: 09/284113**

**From: David Holloway**  
**Location: EIC 2100**  
**RND 4B19**  
**Phone: 2-3528**

**david.holloway@uspto.gov**

### Search Notes

Dear Examiner Nguyen,

Attached please find your search results for above-referenced case.  
Please contact me if you have any questions or would like a re-focused search.

David





*P. Jesse 2/4*  
*O. M.*

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Nguyen Cam Linh Examiner #: 78921 Date: 12/30/04  
Art Unit: 2161 Phone Number 302-4024 Serial Number: 091284-113  
Mail Box and Bldg/Room Location: RND Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.**  
\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: System & method for creating and Manipulating Information containers  
Inventors (please provide full names): with Dynamic Registers

DeAngelo, Michael

Earliest Priority Filing Date: 1/30/98

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

*See claims*

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher: <u>1 David Holloway</u>	NA Sequence (#) _____	STN _____	
Searcher Phone #: <u>2-3528</u>	AA Sequence (#) _____	Dialog <u>\$ 721/hour</u>	
Searcher Location: <u>RND 4019</u>	Structure (#) _____	Questel/Orbit _____	
Date Searcher Picked Up: <u>1-3-05</u>	Bibliographic <input checked="" type="checkbox"/>	Dr.Link _____	
Date Completed: <u>1-4-04</u>	Litigation _____	Lexis/Nexis _____	
Searcher Prep & Review Time: <u>50</u>	Fulltext <input checked="" type="checkbox"/>	Sequence Systems _____	
Clerical Prep Time: _____	Patent Family _____	WWW/Internet <input checked="" type="checkbox"/>	
Online Time: <u>150</u>	Other _____	Other (specify) _____	

Set	Items	Description
S1	272090	CONTAINER? OR ENVELOPE? OR BUCKET? OR (DATA OR INFORMATION- ) ( ) (ENCLOSURE? OR RECEPTACLE? OR FOLDER?)
S2	220678	REGISTER? OR REGISTR? OR (STORAGE OR MEMORY) (N) (LOCATION? - OR AREA OR AREAS OR ADDRESS? OR SECTOR? OR REGION?)
S3	19487	S2(2N) (MULTIPLE OR MULTIPLICITY OR PLURAL OR PLURALITY OR - MULTIPLICITY OR SEVERAL OR DIFFERENT OR MANY OR VARIOUS OR VA- RIETY)
S4	330	S3(5N) (ALTERABLE OR DYNAMIC? OR CHANGE? OR MODIFY? OR REVI- S? OR EDIT? OR LIVE OR HOT)
S5	1245365	TIME? OR SCHEDUL? OR HOUR? OR CALENDAR? OR TIMING OR TIMING OR DURATION? OR INTERVAL?
S6	87	S4(S)S5
S7	12	S1(10N)S3(10N)S5
S8	4	S1(S)S4(S)S5
S9	11	S6 AND IC=(G06F-017? OR G06F-007?)
S10	25	S7 OR S8 OR S9
S11	48	S6 AND IC=G06F?
S12	59	S10 OR S11
S13	42	S12 NOT AD=19980130:20010130
S14	36	S13 NOT AD=20010130:20030130
S15	35	S14 NOT AD=20030130:20050103
S16	11	S15 AND S1
S17	11	IDPAT (sorted in duplicate/non-duplicate order)
S18	11	IDPAT (primary/non-duplicate records only)
File 348:EUROPEAN PATENTS 1978-2004/Dec W03		
(c) 2004 European Patent Office		
File 349:PCT FULLTEXT 1979-2002/UB=20041230,UT=20041223		
(c) 2004 WIPO/Univentio		

18/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00937647

System and method for parsing multiple sets of data  
System und Verfahren zur Analyse mehrerer Datenmengen  
Systeme et procede pour l'analyse de plusieurs ensembles de donnees  
PATENT ASSIGNEE:

Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,  
California 94304, (US), (Applicant designated States: all)

INVENTOR:

Pakenham, Gene, 5243 W 11th No. 1812, Greeley, Co 80634, (US)  
DeVore, Darwin A., 1221 Eastlake Court, Loveland, CO 80537, (US)

LEGAL REPRESENTATIVE:

Carpmaels & Ransford (101821), 43 Bloomsbury Square, London WC1A 2RA,  
(GB)

PATENT (CC, No, Kind, Date): EP 853418 A2 980715 (Basic)  
EP 853418 A3 000705

APPLICATION (CC, No, Date): EP 97309785 971204;

PRIORITY (CC, No, Date): US 782729 970113

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-001/40; H04N-001/64

ABSTRACT WORD COUNT: 43

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9829	351
SPEC A	(English)	9829	5723
Total word count - document A			6074
Total word count - document B			0
Total word count - documents A + B			6074

...SPECIFICATION from the CCD cells into a sequential or serial data stream.

A typical analog shift register comprises a plurality of "charge transfer buckets" each of which is connected to an individual cell. At the end of the exposure time, the charges collected by each of the CCD cells are simultaneously transferred to the charge transfer buckets, thus preparing the CCD cells for the next exposure sequence. The charge in each bucket is then transferred from bucket to bucket out of the shift register in a sequential or "bucket brigade" fashion during the time the CCD cells are being exposed to the next scan...

18/3,K/10 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00300850 \*\*Image available\*\*  
UPDATE MECHANISM FOR COMPUTER STORAGE CONTAINER MANAGER  
MOYEN DE MISE A JOUR POUR MODULE DE GESTION D'ELEMENTS DE STOCKAGE  
D'ORDINATEURS

Patent Applicant/Assignee:  
APPLE COMPUTER INC,

Inventor(s):  
HARRIS Jared M,  
RUBEN Ira L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9519001 A1 19950713  
Application: WO 95US196 19950104 (PCT/WO US9500196)  
Priority Application: US 94177853 19940105

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR  
KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD SE SI SK TJ TT  
UA UZ VN KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF  
BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English  
Fulltext Word Count: 119635

Fulltext Availability:  
Claims

Claim

... the TOC and global name table of  
the target, Up to this point the updating **container**  
has basically been opened "normally" like any other.  
It has its own TOC and global...

...that will eventually be returned to the user  
will be the one for the updating **container** , so the  
targetFs TOC and global name table must be inherited  
by the updating CCB,  
The way the updating **container** gets to use the  
...simply to copy  
the target's TOC and global name table pointers into  
the updating **container** CCB, But the pointers to the  
tables already there can't simply be clobbered. They...

...global name table pointers used by  
everyone, and the "private" pair mainly used by  
close- **time** processing.  
One other pointer is inherited. That is a pointer  
referred to as the "target **container** pointer"  
(targetContainer), It is a CCB pointer copied from  
the target. It is always initialized...

...both "All and "B"s  
targetContainer will point to "B", This pointer is  
used for **container** refNum validity checks in the  
various API routines, It is the opposite of the  
updatingContainer pointer mentioned in step (1).  
updatingContainer points to the top-most **container** ,  
and targetContainer the bottom-most (final or ultimate  
target).  
(5). Load in updater's non-private TOC  
If this is a previously existing updating  
**container** opened for reading, then it is at this point  
all the updates from the updating **container** are  
applied to the target, The non-private portion of the  
updating **container** 's TOC was loaded first in step (3),

Since the normal TOC is now the...  
...updating" list properties for the objects  
they update will be encountered. As discussed for  
close- **time** processing, these will be value operations  
(set-infos, data edits, moves, etc.). The value data...  
...represent all  
objects needing updating.  
The touched chain can now be walked much like  
close- **time** processing to process the updating  
instructions associated with the "updating" property  
of each object on the chain. Also like close- **time**  
processing, objects on the touched chain are removed  
from the chain after each updating list...  
...size and offsets are generated for  
the value headers and segments. Applying updates at  
this **time** changes the logical sizes and offsets.  
Thus, after each value's updates are completed, if...  
...the value must be  
"re-logicalized".  
It should also be pointed out that during this  
**time** , recording of updates is suppressed. It stays  
suppressed until the end of all open processing...  
...and property updating  
instructions can be processed using the special TOC #1  
property of the **container** 's private TOC.  
At this point the target And the updating  
**container** have been opened, The updater's CCB pointer  
is returned to the user as the **container** refNum, The  
diagram of Fig. 22 illustrates the pertinent data  
structures discussed above. In the...  
...target point to the same tables.  
Since "All is opened first, then "B". the  
close- **time** processing reverses this by closing "B"  
then "A", In order to prevent the closing of...  
...the  
TOC and global name tables. This prevents premature  
release of the data.  
H. Open- **time** Processing for Multi-layered Updaters  
The previous discussion was mainly limited to one  
**container** updating another, It is fairly simple  
extension to the algorithm to allow for multiple  
updaters. Multiple updaters arise if a new **container**  
is opened for updating a target in multiple sessions.  
For example, the above situation was other hand, there is nothing  
preventing another new updating **container** from being  
opened,, say "XI", and using "All as its target; IIX  
updating "All updating...  
...The process is the same, except for one variation  
in step (3) of the open- **time** processing; opening of  
the target **container** . Basically, as part of standard  
open- **time** processing, a check is always made to see if  
TOC #1 has a "Pointing value". This only exists in  
updating **container** TOCs and allows access to the  
proper target, be it separate or appended.  
If the...  
...TOC is present in memory  
that is indistinguishable from that of an ordinary,  
non-update **container** , except that some of the values  
refer to data actually present in other **containers** .  
Each of the **containers** in the update chain remain open

. so that value operations can reach the data,  
I...

...Appendix D is a C-language header file for routines which read and write the **container** TOC. Appendix E sets forth the routines themselves, Appendix F is a C-language header file for a set of basic **container** handlers, and their metahandler, used by the **Container** Manager when doing update operations on a target **container** . Appendix G sets forth the handlers themselves.  
The foregoing description of preferred embodiments of the...

...to practitioners skilled in this art. As one example, an embodiment may permit an update **container** to be an update of two or more target **containers** concurrently, As another example, an implementation of the routines may construct only those aspects of the TOC in-memory which are needed for a particular operation after an update **container** is opened. The embodiments described herein were chosen and described in order to best explain...

Set	Items	Description
S1	905852	CONTAINER? OR ENVELOPE? OR BUCKET? OR (DATA OR INFORMATION- ) ( ) (ENCLOSURE? OR RECEPTACLE? OR FOLDER?)
S2	3635562	REGISTER? OR REGISTR? OR (STORAGE OR MEMORY) (N) (LOCATION? - OR AREA OR AREAS OR ADDRESS? OR SECTOR? OR REGION?)
S3	38232	S2(3N) (MULTIPLE OR MULTIPLICITY OR PLURAL OR PLURALITY OR - MULTIPLICITY OR SEVERAL OR DIFFERENT OR MANY OR VARIOUS OR VARIETY)
S4	142842	S2(5N) (ALTERABLE OR DYNAMIC? OR CHANGE? OR MODIFY? OR REVIS? OR EDIT? OR LIVE OR HOT)
S5	50584	S1(12N) (TIME? OR SCHEDULE? OR HOUR? OR CALENDAR? OR TIMING - OR TIMING OR DURATION? OR INTERVAL?)
S6	0	S3(S)S4(S)S5
S7	6	S4(S)S5
S8	4	S3(S)S5
S9	570	S2(S)S5
S10	210	S2(10N)S5
S11	5	S10(10N) (ALTERABLE OR DYNAMIC? OR CHANGE? OR MODIFY? OR REVIS? OR EDIT? OR LIVE OR HOT)
S12	15	S11 OR S8 OR S7
S13	9	RD (unique items)
S14	146	S2(5N)S5
S15	57	S14(S) (DATA OR BIT OR BYTE? OR DATABLOCK? OR INFORMATION? - OR MEMOR? OR STORAGE? OR BUFFER? OR CACHE?)
S16	37	RD (unique items)
S17	45	S16 OR S13
S18	45	RD (unique items)
S19	23	S18 NOT PY>1998
S20	21	S19 NOT PD=19980130:20010130
S21	21	S20 NOT PD=20010130:20050110
File	275:	Gale Group Computer DB(TM) 1983-2005/Jan 04 (c) 2005 The Gale Group
File	47:	Gale Group Magazine DB(TM) 1959-2005/Jan 04 (c) 2005 The Gale group
File	75:	TGG Management Contents(R) 86-2004/Dec W1 (c) 2004 The Gale Group
File	636:	Gale Group Newsletter DB(TM) 1987-2005/Jan 04 (c) 2005 The Gale Group
File	16:	Gale Group PROMT(R) 1990-2005/Jan 04 (c) 2005 The Gale Group
File	624:	McGraw-Hill Publications 1985-2004/Dec 28 (c) 2004 McGraw-Hill Co. Inc
File	484:	Periodical Abs Plustext 1986-2004/Dec W4 (c) 2004 ProQuest
File	613:	PR Newswire 1999-2005/Jan 03 (c) 2005 PR Newswire Association Inc
File	813:	PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File	141:	Readers Guide 1983-2004/Sep (c) 2004 The HW Wilson Co
File	370:	Science 1996-1999/Jul W3 (c) 1999 AAAS
File	696:	DIALOG Telecom. Newsletters 1995-2005/Jan 03 (c) 2005 The Dialog Corp.
File	553:	Wilson Bus. Abs. FullText 1982-2004/Sep (c) 2004 The HW Wilson Co
File	621:	Gale Group New Prod. Annou. (R) 1985-2005/Jan 04 (c) 2005 The Gale Group
File	674:	Computer News Fulltext 1989-2004/Dec W2 (c) 2004 IDG Communications
File	88:	Gale Group Business A.R.T.S. 1976-2005/Dec 30 (c) 2005 The Gale Group
File	369:	New Scientist 1994-2004/Dec W3 (c) 2004 Reed Business Information Ltd.
File	160:	Gale Group PROMT(R) 1972-1989 (c) 1999 The Gale Group
File	635:	Business Dateline(R) 1985-2005/Jan 01 (c) 2005 ProQuest Info&Learning

File 15:ABI/Inform(R) 1971-2005/Jan 01  
(c) 2005 ProQuest Info&Learning  
File 9:Business & Industry(R) Jul/1994-2005/Jan 03  
(c) 2005 The Gale Group  
File 13:BAMP 2005/Dec W4  
(c) 2005 The Gale Group  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 610:Business Wire 1999-2005/Jan 03  
(c) 2005 Business Wire.  
File 647:CMP Computer Fulltext 1988-2005/Dec W3  
(c) 2005 CMP Media, LLC  
File 98:General Sci Abs/Full-Text 1984-2004/Sep  
(c) 2004 The HW Wilson Co.  
File 148:Gale Group Trade & Industry DB 1976-2004/Jan 03  
(c)2004 The Gale Group  
File 634:San Jose Mercury Jun 1985-2004/Dec 31  
(c) 2005 San Jose Mercury News



Set	Items	Description
S1	325405	CONTAINER? OR ENVELOPE? OR BUCKET? OR (DATA OR INFORMATION- ) ( ) (ENCLOSURE? OR RECEPTACLE? OR FOLDER?)
S2	304185	REGISTER? OR REGISTR? OR (STORAGE OR MEMORY) (N) (LOCATION? - OR AREA OR AREAS OR ADDRESS? OR SECTOR? OR REGION?)
S3	5930	S2 (2N) (MULTIPLE OR MULTIPLICITY OR PLURAL OR PLURALITY OR - MULTIPLICITY OR SEVERAL OR DIFFERENT OR MANY OR VARIOUS OR VARIETY)
S4	91	S3 (5N) (ALTERABLE OR DYNAMIC? OR CHANGE? OR MODIFY? OR REVISE? OR EDIT? OR LIVE OR HOT)
S5	8070002	TIME? OR SCHEDUL? OR HOUR? OR CALENDAR? OR TIMING OR TIMING OR DURATION? OR INTERVAL?
S6	1	S1 AND S4
S7	56519	S1 AND S5
S8	11	S3 AND S7
S9	36	S1 AND S3
S10	36	S6 OR S8 OR S9
S11	27	RD (unique items)
S12	445	S1 AND S2 AND S5
S13	8654	S1 (3N) (DATA OR INFORMATION OR BYTE? OR BITS OR MEGABYTE? OR KILOBYTE? OR STORAGE? OR MEMORY?)
S14	49	S12 AND S13
S15	74	S14 OR S11
S16	65	RD (unique items)
S17	49	S16 NOT PY>1998
File	8: Ei Compendex(R) 1970-2005/Dec W4	(c) 2005 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online 1861-2004/Dec	(c) 2004 ProQuest Info&Learning
File	65: Inside Conferences 1993-2004/Dec W4	(c) 2004 BLDSC all rts. reserv.
File	2: INSPEC 1969-2004/Dec W2	(c) 2004 Institution of Electrical Engineers
File	94: JICST-EPlus 1985-2004/Nov W4	(c) 2004 Japan Science and Tech Corp (JST)
File	111: TGG Natl. Newspaper Index (SM) 1979-2004/Dec 29	(c) 2004 The Gale Group
File	6: NTIS 1964-2004/Dec W4	(c) 2004 NTIS, Intl Cpyrghnt All Rights Res
File	144: Pascal 1973-2004/Dec W1	(c) 2004 INIST/CNRS
File	434: SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 1998 Inst for Sci Info
File	34: SciSearch(R) Cited Ref Sci 1990-2004/Dec W4	(c) 2004 Inst for Sci Info
File	99: Wilson Appl. Sci & Tech Abs 1983-2004/Nov	(c) 2004 The HW Wilson Co.
File	95: TEMA-Technology & Management 1989-2004/Jun W1	(c) 2004 FIZ TECHNIK

17/5/13 (Item 13 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

00267759 E.I. Monthly No: EI7212010596

Title: **SIMPLE CHARGE REGENERATOR FOR USE WITH CHARGE-TRANSFER DEVICES AND THE DESIGN OF FUNCTIONAL LOGIC ARRAYS.**

Author: Tompsett, Michael F.

Corporate Source: Bell Telephone Lab, Inc, Murray Hill, NJ

Source: IEEE Journal of Solid-State Circuits v SC-7 n 3 Jun 1972 p 237-242

Publication Year: 1972

CODEN: IJSCBC ISSN: 0018-9200

Language: ENGLISH

Journal Announcement: 7212

Abstract: An inverting binary-charge regenerator for use with new charge-transfer devices (charge-coupled and integrated MOS **bucket** brigade) is described. This simple element requires an area approximately that of one bit in the register and is driven by the transfer pulses. Its uses with these shift **registers** in **various** configurations, which are described, make possible even larger functional devices. These uses include regeneration in serial memories, performing logic operations such as NAND and NOR involving the bit trains in **several registers**, and performing fixed counts and sequential addressing of other circuit elements.

Descriptors: \*LOGIC CIRCUITS

Classification Codes:

721 (Computer Circuits & Logic Elements)

72 (COMPUTERS & DATA PROCESSING)

17/5/17 (Item 4 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01219256 ORDER NO: AAD92-14527

**ANALYTICAL MODELS AND OPTIMAL STRATEGIES FOR AUTOMATED STORAGE/RETRIEVAL SYSTEM OPERATIONS (STORAGE-RETRIEVAL)**

Author: PARK, BYUNG CHUN

Degree: PH.D.

Year: 1991

Corporate Source/Institution: GEORGIA INSTITUTE OF TECHNOLOGY (0078)

Director: EDWARD H. FRAZELLE

Source: VOLUME 52/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 6592. 184 PAGES

Descriptors: ENGINEERING, INDUSTRIAL

Descriptor Codes: 0546

The objective of this research is to provide exact reliable expressions for use in designing and operating automated storage/retrieval systems. We focus on the efficient operation of dual command cycles. The main performance criteria are travel **time** and system throughput.

We begin by developing a general analytical baseline for automated storage/retrieval system performance analysis. The baseline is a closed-form expression for the mean and variance of single and dual command cycle **time**. The model can be effectively used for evaluating any storage policy, i.e., random, dedicated or class-based storage. We give examples to illustrate how the formulas can be used for evaluating each storage policy.

With an evaluation baseline, our attention turns to specific improvement strategies. Contour line configurations for **storage location** assignment are developed first. We develop a general scheme to generate contour line configurations for dual command operations. To investigate the effects of alternative contour line configurations on system performance, a series of experiments are performed. The storage policies considered are random storage, priority-based open location (POL) storage, turnover-based storage, and 2-class storage. The performance of each contour line configuration is measured in terms of the expected dual command travel **time**.

Next, we develop optimal dwell point policies for automated storage/retrieval systems. Based on the fact that dwell point policies minimize the completion **time** of the first transaction after the storage/retrieval machine becomes idle, we show that there is a unique optimal dwell point policy, regardless of other system parameters. Then a variety of return paths to the dwell point are introduced and studied.

Finally, an end-of-aisle order picking system with inbound and outbound buffer positions is studied. This is usually referred to as a miniload system with a horse-shoe "front-end". The system is modeled as a two-stage cyclic queueing system consisting of one general and one exponential server with limited capacity. The cyclic queueing system is then analyzed by using the customer-hole duality concept. Closed-form expressions for the stationary probability and system throughput are developed. We also obtain the proportion of picker-idle and storage/retrieval machine-idle **time** by noting that the throughput of the picker is equal to that of the storage/retrieval machine. Then, a design problem to determine the optimal number of inbound and outbound buffer positions and a control problem to determine the optimal number of **storage containers** in the system are studied. The effect of buffer size on system throughput is also investigated.

Set	Items	Description
S1	675611	CONTAINER? OR ENVELOPE? OR BUCKET? OR (DATA OR INFORMATION- ) ( ) (ENCLOSURE? OR RECEPTACLE? OR FOLDER?)
S2	397825	REGISTER? OR REGISTR? OR (STORAGE OR MEMORY) (N) (LOCATION? - OR AREA OR AREAS OR ADDRESS? OR SECTOR? OR REGION?)
S3	12040	S2(2N) (MULTIPLE OR MULTIPLICITY OR PLURAL OR PLURALITY OR - MULTIPLICITY OR SEVERAL OR DIFFERENT OR MANY OR VARIOUS OR VARIETY)
S4	140	S3(5N) (ALTERABLE OR DYNAMIC? OR CHANGE? OR MODIFY? OR REVI- S? OR EDIT? OR LIVE OR HOT)
S5	3326894	TIME? OR SCHEDUL? OR HOUR? OR CALENDAR? OR TIMING OR TIME(- )STAMP?
S6	34	S4 AND S5
S7	0	S1 AND S4
S8	70	S1 AND S3
S9	5	S8 AND IC=(G06F-017? OR G06F-007?)
S10	11	S8 AND IC=G06F?
S11	20	S4 AND IC=(G06F-017? OR G06F-007?)
S12	22	S6 AND IC=G06F?
S13	88865	MC=(T01-C04? OR T01-J05B?)
S14	5	S13 AND (S6 OR S8)
S15	40	S12 OR S11 OR S14
S16	40	IDPAT (sorted in duplicate/non-duplicate order)
S17	39	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)  
(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200482  
(c) 2004 Thomson Derwent

17/5/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015947975 \*\*Image available\*\*  
WPI Acc No: 2004-105816/200411

**Method and system for vector scheduling on object code level**

Patent Assignee: UNIV INHA (UYIN-N)  
Inventor: KIM G C; KIM J S; KIM S D; LEE D H; LEE Y S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003078467	A	20031008	KR 200217526	A	20020329	200411 B

Priority Applications (No Type Date): KR 200217526 A 20020329

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2003078467	A		1	G06F-009/38	

Abstract (Basic): KR 2003078467 A

NOVELTY - A method and a system for vector **scheduling** on an object code level are provided to produce an excellent **scheduling** result in a **scheduling time** faster than a present software pipelining method.

DETAILED DESCRIPTION - An LCV(Loop Control Variable), and an initialization instruction, an initial value, a change instruction, a variance width, and an end instruction of the LCV are found out by using a CFG(Control Flow Graph) of a vector loop as input. The number of the concurrent executing instructions is calculated and the copies are generated by developing the vector loop with x. Registers are renamed in order to remove the data dependency of the registers used for each copy. The LCV of the copies is **changed** to the **register different** with each other. The LCV initialization instruction in the copies is changed based on the variance width. The LCV changing instruction in the copies is changed based on the x value. The instruction for copying the value of the LCV to the variable is inserted into a loop termination path of the copies. The vector **scheduled** CFG is generated by collecting the duplicated instruction for each instruction of the first copy.

pp; 1 DwgNo 1/10

Title Terms: METHOD; SYSTEM; VECTOR; **SCHEDULE** ; OBJECT; CODE; LEVEL

Derwent Class: T01

International Patent Class (Main): **G06F-009/38**

File Segment: EPI

17/5/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015768651 \*\*Image available\*\*  
WPI Acc No: 2003-830853/200377  
XRPX Acc No: N03-663897

Dynamic random access memory controller in computer system, has configuration registers to store control information of memory banks, and column address strobe state machine to generate strobe signals for memory banks

Patent Assignee: INTEL CORP (ITLC )  
Inventor: LANGENDORF B K; DODD J M; WADE N D  
Number of Countries: 001 .Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030177303	A1	20030918	US 97814697	A	19970311	200377 B
			US 2003389092	A	20030313	
US 6725349	B2	20040420	US 94381091	A	19941223	200427
			US 97814697	A	19970311	
			US 2003389092	A	20030313	

Priority Applications (No Type Date): US 97814697 A 19970311; US 2003389092 A 20030313; US 94381091 A 19941223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030177303	A1		10	G06F-012/00	Cont of application US 97814697
US 6725349	B2			G06F-012/00	Cont of application US 94381091 Cont of application US 97814697

Abstract (Basic): US 20030177303 A1

NOVELTY - Several configuration registers (300) store control information for dynamic RAM (DRAM) memory banks of a main memory (103). A column address strobe (CAS) state machine (330) coupled to the registers, generates CAS signals (220) for the memory banks. A detection logic circuit coupled to the CAS state machine, determines type of DRAM device installed in each memory bank to store control information of the device in the registers.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method for optimizing control of each memory bank.

USE - For automatically configuring and controlling memory banks installed with dynamic random access memory (DRAM) devices including standard page mode DRAM and extended data-out DRAM (EDO-DRAM) in computer system.

ADVANTAGE - The CAS state machine automatically controls timing requirements of the DRAM devices installed in the main memory to quickly and efficiently handle access requests. Thus, the performance of EDO-DRAM and standard page mode DRAM is preserved and controlled without increasing the hardware cost, while ensuring correct operation of the DRAMs.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the DRAM controller.

main memory (103)  
CAS signals (220)  
configuration register (300)  
address bank decoder (310)  
CAS state machine (320)  
pp; 10 DwgNo 3/7

Title Terms: DYNAMIC; RANDOM; ACCESS; MEMORY; CONTROL; COMPUTER; SYSTEM; CONFIGURATION; REGISTER; STORAGE; CONTROL; INFORMATION; MEMORY; BANK; COLUMN; ADDRESS; STROBE; STATE; MACHINE; GENERATE; STROBE; SIGNAL; MEMORY ; BANK

Derwent Class: T01; U14

International Patent Class (Main): G06F-012/00

File Segment: EPI

17/5/11 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013483279 \*\*Image available\*\*  
WPI Acc No: 2000-655222/200063  
Related WPI Acc No: 1999-457716  
XRPX Acc No: N00-485639

Data processing system used in graphical user interface, displays one of subset of stored object automatically only if at least one of stored object of subset has not been manually associated with its container

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: LISLE L A; MARTIN S L; MULLALY J M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6104394	A	20000815	US 97813717	A	19970307	200063 B
			US 99239405	A	19990128	

Priority Applications (No Type Date): US 97813717 A 19970307; US 99239405 A 19990128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6104394	A	19	G06F-017/30		Cont of application US 97813717 Cont of patent US 5936624

Abstract (Basic): US 6104394 A

NOVELTY - Two subsets constituting stored object of respective object types within respective **containers**, are displayed automatically in a display unit, only if at least one of stored objects of the two subsets has not been manually associated with their respective **containers**.

DETAILED DESCRIPTION - The display unit automatically updates the displayed subsets when the stored objects is charged, when either storing, editing, deleting, moving, archiving, copying, linking on undoing of stored object occurs. The object type is chosen from text type, audio type, graphic type, type corresponding to date and time.

INDEPENDENT CLAIMS are also included for the following:

- (a) operating data processing system;
- (b) program product

USE - Used in graphical user interface, real world style interface with logical containment system.

ADVANTAGE - Enables user to organize representation of desired objects in **various storage locations** without requiring extra steps by a user access memory. Allows greater flexibility in obtaining desired graphical user interface, by the ability of user to modify the containment settings and to have modifications immediately rejected in logical **container** rendered on display device.

DESCRIPTION OF DRAWING(S) - The figure shows model diagram of data processing system explained with Booch notation.

pp; 19 DwgNo 8/8

Title Terms: DATA; PROCESS; SYSTEM; GRAPHICAL; USER; INTERFACE; DISPLAY; ONE; SUBSET; STORAGE; OBJECT; AUTOMATIC; ONE; STORAGE; OBJECT; SUBSET; MANUAL; ASSOCIATE; **CONTAINER**

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

17/5/22 (Item 22 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

007659045 \*\*Image available\*\*  
WPI Acc No: 1988-292977/198841  
XRPX Acc No: N88-222362

**Multiprocessor system with shared memory - has machine instruction sequence in shared memory for assigning register sets based on status information**

Patent Assignee: STELLAR COMPUTER IN (STEL-N)  
Inventor: DARNELL P A; MORTON M A  
Number of Countries: 029 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8807720	A	19881006	WO.88US1032	A	19880325	198841 B
AU 8816821	A	19881102				198904

Priority Applications (No Type Date): US 8734166 A 19870402  
Cited Patents: 1.Jnl.Ref; EP 174446; US 3916383; US 3972029; US 3980922; US 4121286; US 4197579; US 4280176; US 4354227; US 4713757

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 8807720	A	E 27		

Designated States (National): AU BB BG BR DK FI HU JP KP KR LK MC MG MW  
NO RO SD SU

Designated States (Regional): AT BE CH DE FR GB IT LU NL OA SE

Abstract (Basic): WO 8807720 A

The multiprocessor system has four processors which share machine instruction sequence (14) stored in parallel regions in the memory (16), which includes parallel regions of instructions. Each region has two blocks of instructions which are independent in that the same result is obtained if the blocks are executed by the same processor or by different processors.

The system provides a pool (22) of high speed register sets to regulate the work of the four processors. Each processor has a respective unshared register (40) which stores a program status word. The word provides information about the part of the process executing on a given processor at a given time.

ADVANTAGE - The assignment of shared register sets to multiple processors is effected dynamically without interrupting the execution of instructions in the sequence.

1/8

Title Terms: MULTIPROCESSOR; SYSTEM; SHARE; MEMORY; MACHINE; INSTRUCTION; SEQUENCE; SHARE; MEMORY; ASSIGN; REGISTER; SET; BASED; STATUS; INFORMATION

Derwent Class: T01

International Patent Class (Additional): G06F-012/00

File Segment: EPI



17/5/25 (Item 25 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

07054897 \*\*Image available\*\*  
COMMUNICATION INSTRUCTION RESULT OF PROCESSOR AND COMPILING METHOD FOR  
PROCESSOR

PUB. NO.: 2001-282532 [JP 2001282532 A]  
PUBLISHED: October 12, 2001 (20011012)  
INVENTOR(s): TOPHAM NIGEL PETER  
APPLICANT(s): SIROYAN LTD  
APPL. NO.: 2001-032090 [JP 200132090]  
FILED: February 08, 2001 (20010208)  
PRIORITY: 00 200002848 [GB 20002848], GB (United Kingdom), February 08,  
2000 (20000208)  
INTL CLASS: G06F-009/38 ; G06F-009/30 ; G06F-009/34 ; G06F-009/45

ABSTRACT

PROBLEM TO BE SOLVED: To simplify a task of a compiler for the allocation of a register and to set up an instruction in a more compact state.

SOLUTION: A processor 1 for executing a pipeline by software includes an instruction issuing device 10 for issuing plural instructions to be executed by a previously determined sequence. The sequence of instructions includes plural value generation instructions for generating respective values at the time of execution of the sequence. Each of instruction execution devices 14, 16, 18 executes an issued instruction. A register file 20 has plural registers and stores plural values generated by respective executed instructions. During the period of operation, the processor 1 allocates plural values generated by respective value generation instructions to respective sequence numbers in accordance with the issued order of respective value generation instructions. Each generated value is allocated to one of plural registers in order to store the generated value on the basis of the sequence number allocated to the value. The names of these plural registers can be changed in each issue of a value generation instruction.

COPYRIGHT: (C)2001, JPO

17/5/31 (Item 31 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

03475828 \*\*Image available\*\*  
DIGITAL PROCESSOR

PUB. NO.: 03-138728 [JP 3138728 A]  
PUBLISHED: June 13, 1991 (19910613)  
INVENTOR(s): SATOMURA RYUICHI  
TOMOBE KATSUICHI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 01-275821 [JP 89275821]  
FILED: October 25, 1989 (19891025)  
INTL CLASS: [5] G06F-009/38  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)  
JOURNAL: Section: P, Section No. 1250, Vol. 15, No. 360, Pg. 105,  
September 11, 1991 (19910911)

#### ABSTRACT

PURPOSE: To shorten the instruction execution **time** of a microprocessor, etc., and to raise processing capacity by **dynamically** assigning **plural** work **registers** in accordance with its usage condition.

CONSTITUTION: n numbers of work registers WR1-WRn used when execution a micro-instruction, and a work register control part WRC which dynamically assigns these work registers WR1-WRn in accordance with their usage condition, are provided. Then, the work registers WR1-WRn can be dynamically assigned in accordance with their usage condition without specifying them with a micro-instruction, the score boarding of the work registers WR1-WRn can be executed simultaneously with the score boarding of a general purpose register GR by a machine language instruction, and the parallel processing of the following machine language instructions can be started early. Thus, the instruction execution **time** of the microprocessor, etc., can be shortened equally, and its processing capacity can be raised.

17/5/36 (Item 36 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

01917037 \*\*Image available\*\*  
CONTINUOUS GENERATING SYSTEM OF PLURAL ADDRESSES

PUB. NO.: 61-131137 [JP 61131137 A]  
PUBLISHED: June 18, 1986 (19860618)  
INVENTOR(s): AKIBA HIROSHI  
AOYANAGI KEIZO  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 59-253342 [JP 84253342]  
FILED: November 30, 1984 (19841130)  
INTL CLASS: [4] G06F-012/02  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: P, Section No. 512, Vol. 10, No. 324, Pg. 91,  
November 05, 1986 (19861105)

ABSTRACT

PURPOSE: To attain count-up or count-down sequentially for plural address registers by using an adder to modify logically an address of an address register before one address and applying it sequentially to each register.

CONSTITUTION: An address modification data and a logical address from an adder 2 inputting an addend for modification and generating a logical address are inputted sequentially to plural address registers 3,4,5. Then address information of the address registers 3,4,5 is selected in the predetermined order by a selector 10 and outputs it as a memory access (f). Further, the address register selected precedingly by the selector 10 is selected by the other selector 9 at the same time and the address information (e) is fed back to a selector 6 as the address modification data. Then a required addition is executed by the adder 2 to modify the address of the register subject to feed back. The operation is executed sequentially to the registers 3,4,5 to generate continuously plural addresses thereby clearing them.

17/5/37 (Item 37 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

01655844 \*\*Image available\*\*  
GUIDANCE INFORMATION CONTROLLING SYSTEM

PUB. NO.: 60-134344 [JP 60134344 A]  
PUBLISHED: July 17, 1985 (19850717)  
INVENTOR(s): YOSHINO ISAO  
SOMA MASATO  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 58-241921 [JP 83241921]  
FILED: December 23, 1983 (19831223)  
INTL CLASS: [4] G06F-009/00 ; G06F-015/00  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);  
45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 408, Vol. 09, No. 299, Pg. 50,  
November 27, 1985 (19851127)

#### ABSTRACT

PURPOSE: To execute a change which requires no person's help by executing the change by sending guidance information to a terminal control device from a central processor by a guidance information change request from a change request mechanism of the central processor or a terminal equipment.

CONSTITUTION: A central processor 11, terminal control device 16 and a terminal equipment 20 are connected, a local guidance control mechanism 12 and a timer 13 are provided on the processor 11, and a storage mechanism 15 and a managing mechanism 14 are provided on the mechanism 12. Also, a local guidance change control mechanism 19 consisting of a store part 17 and a change identifying mechanism 18 is provided on the device 16, and the store part 17 is constituted of plural storage area 21 and on-demand changeable storage areas 22. In this state, the area 21 is changed by receiving a change request from the timer 13 by the mechanism 14 and sending retrieved information to the mechanism 19, a change request from the equipment 20 is registered in the mechanism 18 and also transferred to the processor 11, and the area 22 is changed by sending the retrieved information to the mechanism 19.

17/5/38 (Item 38 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

01125342 \*\*Image available\*\*  
OPERATION PROCESSING DEVICE

PUB. NO.: 58-062742 [JP 58062742 A]  
PUBLISHED: April 14, 1983 (19830414)  
INVENTOR(s): TAMURA NOBORU  
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 56-162367 [JP 81162367]  
FILED: October 12, 1981 (19811012)  
INTL CLASS: [3] G06F-007/00  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL: Section: P, Section No. 208, Vol. 07, No. 152, Pg. 39, July  
05, 1983 (19830705)

ABSTRACT

PURPOSE: To make the operation easy, by providing a means having a plurality of condition registers and storing the change in the condition codes in the past, and a means performing the operation instruction between condition registers.

CONSTITUTION: In executing an arithmetic logical operation instruction having the alteration of a CCR through the instruction of an instruction decoder 6, the conditions with the result of operation are set to the CCR. An arithmetic logical operation device 3 reads out the 1st CCR4-1 in one machine cycle and gives an output to the 2nd CCR4-2 in the next machine cycle. The conditions through the result of present operation are outputted to the 1st CCR4-1 in the next machine cycle. Through this operation, the previous condition is set to the 2nd CCR4-2 and the present condition is set to the 1st CCR4-1. Further, with the operation instruction between the CCRs, the two CCRs 4-1, 4-2 are read and an output is given to the instructed CCR

Set	Items	Description
S1	9	AU=(DEANGELO, M? OR DEANGELO M? OR DE ANGELO M? OR DE ANGELO, M?)
S2	3	S1 AND IC=G06F?
File 347:		JAPIO Nov 1976-2004/Aug(Updated 041203) (c) 2004 JPO & JAPIO
File 348:		EUROPEAN PATENTS 1978-2004/Dec W03 (c) 2004 European Patent Office
File 349:		PCT FULLTEXT 1979-2002/UB=20041230,UT=20041223 (c) 2004 WIPO/Univentio
File 350:		Derwent WPIX 1963-2004/UD,UM &UP=200482 (c) 2004 Thomson Derwent

2/5/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01077982

**SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH  
DYNAMIC REGISTERS**

**SYSTEM UND VERFAHREN ZUR ERZEUGUNG UND BEARBEITUNG VON  
INFORMATIONSBELHALTERN MITDYNAMISCHEN REGISTERN.**

**SYSTEME ET PROCEDE POUR LA CREATION ET LA MANIPULATION DE CONTENEURS  
D'INFORMATIONS A REGISTRES DYNAMIQUES**

PATENT ASSIGNEE:

Ematrix Corporation, (2819080), 104 West Anapamu, Santa Barbara, CA 93101  
, (US), (Applicant designated States: all)

INVENTOR:

**De Angelo, Michael**, Suite 290, 1324 J State Street, Santa Barbara, CA  
93101, (US)

LEGAL REPRESENTATIVE:

McLeish, Nicholas Alistair Maxwell et al (74621), Boulton Wade Tennant  
Verulam Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)

PATENT (CC, No, Kind, Date): EP 1049996 A1 001108 (Basic)  
WO 9939285 990805

APPLICATION (CC, No, Date): EP 99905548 990128; WO 99US1988 990128

PRIORITY (CC, No, Date): US 73209 980130

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-017/30 ; G06F-003/14

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001108 A1 Published application with search report  
Application: 991006 A1 International application. (Art. 158(1))  
Withdrawal: 040204 A1 Date application deemed withdrawn: 20030801  
Examination: 001108 A1 Date of request for examination: 20000713  
Search Report: 010425 A1 Date of drawing up and dispatch of  
supplementary:search report 20010308  
Application: 991006 A1 International application entering European  
phase

LANGUAGE (Publication,Procedural,Application): English; English; English

2/5/2 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00507933 \*\*Image available\*\*

**SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH  
DYNAMIC REGISTERS**

**SYSTEME ET PROCEDE POUR LA CREATION ET LA MANIPULATION DE CONTENEURS  
D'INFORMATIONS A REGISTRES DYNAMIQUES**

Patent Applicant/Assignee:

EMATRIX CORPORATION,  
DE ANGELO Michael,

Inventor(s):

**DE ANGELO Michael**

Patent and Priority Information (Country, Number, Date):

Patent: WO 9939285 A1 19990805  
Application: WO 99US1988 19990128 (PCT/WO US9901988)  
Priority Application: US 9873209 19980130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH  
GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU  
ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE  
DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR  
NE SN TD TG

Main International Patent Class: G06F-017/30

International Patent Class: G06F-003/14

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 18390

#### English Abstract

A system for creating and manipulating information containers with dynamic registers on a multi-user computer system, or computer network comprises an interactive information container, a container editor, a search interface, a user profile, system-wide hierarchical container gateways (site 7), interactive and evolving container registers, a data collection means, a data reporting means, an analysis engine with editor, an executing engine with editor, and a means of communicating with other computers, computer networks, or digital-based public or published media. The container editor provides an authoring user with the capacity to encapsulate any information component such as a file, set, database, network, event or process, and a set of parameters of multiple container registers to govern the interaction of that container with other containers or processes. The container registers include system-defined, system-alterable, user-defined and user-alterable registers.

#### French Abstract

L'invention concerne un systeme pour la creation et la manipulation de conteneurs d'informations a registres dynamiques, sur un systeme informatique multi-utilisateur, ou sur un reseau informatique. Ce systeme comprend un conteneur d'informations interactif, un editeur de conteneur, une interface de recherche, un profil d'utilisateur, des passerelles (site 7) de conteneurs hierarchiques a l'echelle du systeme, des registres interactifs et evolutifs, un dispositif de rassemblement de donnees, un dispositif d'edition de donnees, un moteur d'analyse avec editeur, un moteur d'execution avec editeur, et un dispositif permettant de communiquer avec d'autres ordinateurs, avec des reseaux informatiques, ou avec des supports numeriques publics ou publies. L'editeur de conteneur permet a un utilisateur-auteur d'encapsuler n'importe quel composant d'information tel qu'un dossier, un ensemble, une base de donnees, un reseau, un evenement ou un procede, et fournit a cet utilisateur une serie de parametres pour plusieurs registres de conteneurs pour commander l'interaction de ce conteneur avec d'autres conteneurs ou procedes. Les registres de conteneurs comprennent des registres definis par le systeme, modifiables par le systeme, definis par l'utilisateur et modifiables par l'utilisateur.

2/5/3 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012673114 \*\*Image available\*\*

WPI Acc No: 1999-479221/199940

XRPX Acc No: N99-356757



**Computer system for creating and manipulating information containers in multi-user systems e.g. client server network**

Patent Assignee: EMATRIX CORP (EMAT-N)

Inventor: DE ANGELO M

Number of Countries: 085 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9939285	A1	19990805	WO 99US1988	A	19990128	199940 B
AU 9925687	A	19990816	AU 9925687	A	19990128	200002
EP 1049996	A1	20001108	EP 99905548	A	19990128	200062
			WO 99US1988	A	19990128	

Priority Applications (No Type Date): US 9873209 P 19980130

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9939285 A1 E 78 G06F-017/30

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9925687 A G06F-017/30 Based on patent WO 9939285

EP 1049996 A1 E G06F-017/30 Based on patent WO 9939285

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Abstract (Basic): WO 9939285 A1

NOVELTY - A container editor provides an authoring user with the capacity to encapsulate any information component such as a file, set, database, network, event or process, and a set of parameters of multiple container registers to govern the interaction of that container with other containers or processes. The container-registers include system-defined, system-alterable, user-definable and user-alterable algorithms.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for; a method for creating an interactive information container; a method for interacting between two interactive information containers.

USE - Transmitting, receiving and manipulating information containers with dynamic registers on a multi-user computer system, or computer network e.g. local, wide area or public networks, in computer, media or publishing networks.

ADVANTAGE - Information can be manufactured on, utility upgraded, and intelligence developed in a computer network by offering the mechanism to create and manipulate information containers with dynamic registers.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a preferred embodiment of the invention.

pp; 78 DwgNo 1/17

Title Terms: COMPUTER; SYSTEM; MANIPULATE; INFORMATION; CONTAINER; MULTI; USER; SYSTEM; CLIENT; SERVE; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-017/30

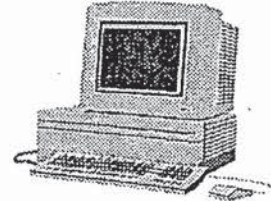
International Patent Class (Additional): G06F-003/14

File Segment: EPI

# EIC2100

## Search Results

### Feedback Form (Optional)



Scientific & Technical Information Center

The search results generated for your recent request are attached. If you have any questions or comments (compliments or complaints) about the scope or the results of the search, please contact *the EIC searcher* who conducted the search *or contact*:

**Anne Hendrickson, Team Leader, 571-272-3490, RND 4B28**  
or Carol Wong, Librarian, 571-272-3513, RND 4B28

---

#### *Voluntary Results Feedback Form*

➤ *I am an examiner in Workgroup:*  *Example: 2170*

➤ *Relevant prior art found, search results used as follows:*

- 102 rejection
- 103 rejection
- Cited as being of interest.
- Helped examiner better understand the invention.
- Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- Foreign Patent(s)
- Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- Results verified the lack of relevant prior art (helped determine patentability).
- Search results were not useful in determining patentability or understanding the invention.

**Other Comments:**

Attorney's Docket No.: 17776-002US1

**OFFICIAL COMMUNICATION FACSIMILE:**

**RECEIVED  
CENTRAL FAX CENTER**

**OFFICIAL FAX NO: (703) 872-9306**

**JAN 03 2005**

Number of pages including this page 15

Applicant : DeAngelo, Michael  
Serial No. : 09/284,113  
Filed : April 7, 1999

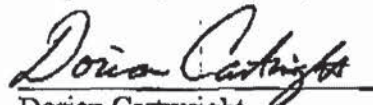
Art Unit : 2171  
Examiner : Cam N. Nguyen

Title : System and Method for Creating and Manipulating Information Containers with Dynamic Registers

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attached to this facsimile communication cover sheet is an AMENDMENT IN REPLY TO ACTION OF NOVEMBER 2, 2004, faxed this 3<sup>rd</sup> day of January, 2005, to the United States Patent and Trademark Office.

Respectfully submitted,



Dorian Cartwright  
Reg. No. 53,853

Date: January 3, 2004

Fish & Richardson P.C.  
500 Arguello Street, Suite 500  
Redwood City, California 94063  
Telephone: (650) 839-5070  
Fax: (650) 839-5071

50254229.doc

NOTE: This facsimile is intended for the addressee only and may contain privileged or confidential information. If you have received this facsimile in error, please immediately call us collect at (650) 839-5070 to arrange for its return. Thank you.

Attorney's Docket No.: 17776-002US1

RECEIVED  
CENTRAL FAX CENTER

JAN 03 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : DeAngelo, Michael	Art Unit : 2171
Serial No. : 09/284,113	Examiner : Cam N. Nguyen
Filed : April 7, 1999	
Title : SYSTEM AND METHOD FOR CREATING AND MANIPULATING INFORMATION CONTAINERS WITH DYNAMIC REGISTERS	

**MAIL STOP AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INTERVIEW SUMMARY AND AMENDMENT  
IN REPLY TO FINAL OFFICE ACTION OF NOVEMBER 2, 2004

Please amend the above-identified application as follows:

I hereby certify that this correspondence is being transmitted by  
facsimile to the Patent and Trademark Office on the date indicated below.

1/3/05

Date of Transmission

Signature

*Dorian Cartwright*