

### RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies): Architecture LLC 201 Spring Street Lexington, MA 02421  Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Ab Initio Technology LLC 201 Spring Street Lexington, MA 02421	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: 07/16/2008		Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 12/960,648 B. Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name/address of party to whom correspondence concerning document should be mailed:  <b>PTO Customer Number: 26161</b>		6. Total number of applications/patents involved: 1	
		7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account.	
		8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.	
<b>DO NOT USE THIS SPACE</b>			
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>			
<u>Elliott J. Mason, III</u> Name of Person Signing		<u>/Elliott J. Mason, III Reg. No. 56,569/</u> Elliott J. Mason, III	
		<u>January 28, 2011</u> Date	
Total number of pages including coversheet, attachments and document: 9			

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#### CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify under 37 CFR §1.8(a) that this correspondence is being transmitted by facsimile in accordance with 37 CFR § 1.6(d).

1/28/11  
Date of Deposit

Paul J. Miele  
Signature

Paul J. Miele  
Typed Name of Person Signing Certificate

**PATENT**

## ASSIGNMENT OF TRADE SECRET, INVENTION & PATENT RIGHTS

**Assignor:** Architecture LLC, a Delaware limited liability company

**Assignee:** Ab Initio Technology LLC, a Delaware limited liability company

1. The subject matter of this Assignment of Trade Secret, Invention & Patent Rights (the "Assignment") is the following Invention & Trade Secret Rights: (1) the patents and patent applications identified in attached Exhibit PATENT, the inventions embodied therein, and any and all domestic or foreign continuation, continuation-in-part, or divisional applications and reissue, correction, reexamination, or other patents, or certificates of invention, utility models, design registrations, and the like, that issue or derive priority therefrom or claim priority thereto, and (2) any and all inventions (whether or not patentable), trade secrets, and confidential information, whether tangible or intangible, developed by or on behalf of Assignor for use or potential use in its business, including (without limitation) all technical information, devices, formulae, methods, processes, techniques, know how, show how, designs, patterns, drawings, compilations, cost data, pricing, customer lists, vendor lists, employee lists, and computer programs (including source code) and related documentation.
2. For good and valuable consideration, the receipt and sufficiency of which is acknowledged by Assignor, Assignor hereby assigns to Assignee all of Assignor's worldwide rights, title, and interest (without reservation of any rights whatsoever) in and to (1) the Invention & Trade Secret Rights, (2) the right to claim priority based on the filing dates of any of the Invention & Trade Secret Rights, and (3) any claims (known or unknown, suspected or unsuspected) of any nature that Assignor has or may have against any entity for infringement or misappropriation of the Invention & Trade Secret Rights.
3. Assignor agrees to sign all lawful papers, make all rightful oaths, communicate to Assignee or its representatives all facts known to Assignor with respect to the Invention & Trade Secret Rights, cooperate with Assignee and its representatives, and generally do everything deemed necessary by Assignee to:
  - a. complete and fulfill the terms of this Assignment;
  - b. enable Assignee, at Assignee's expense, to apply for or prosecute any patent, invention right, or application for Invention & Trade Secret Rights, to maintain any application or issued patent for the Invention & Trade Secret Rights, and to record this Assignment, including executing separate or additional assignments in connection with such recordation or applications, and generally secure and/or perfect legal protection for the Invention & Trade Secret Rights;
  - c. assist Assignee, at Assignee's expense, to apply for, obtain, and enforce legal protection for the Invention & Trade Secret Rights in all countries, including applying for protection of the Invention & Trade Secret Rights under any provisions of the International Convention for Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all similar agreements or treaties, whether in the name of Assignor or of Assignee;
  - d. assist Assignee, at Assignee's expense, with respect to any action, suit, or other legal proceeding relating to enforcement or defense of any of the Invention & Trade Secret Rights, including obtaining evidence and testifying in any such legal proceeding (in any such legal proceeding, Assignor will be represented by the same legal counsel as Assignee).
4. Each examining, registration, or recording office or agency (including, without limitation, the United States Patent and Trademark Office) is hereby authorized by Assignor to deliver to Assignee, its attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Assignment.
5. Assignor grants to Assignee the power to insert on this Assignment any further identification when known which may be necessary or desirable in order to comply with the rules of any examining, registration, or recording office or agency for recordation of this Assignment.

Assignor: Architecture LLC, a Delaware limited liability company

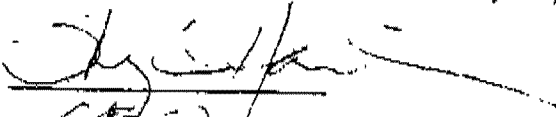
By:   
Title: CEO  
Date: 7/16/08

EXHIBIT PATENT

EXHIBIT PATENT

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
ISSUED	7,167,850/10/268,509 (068001)	US	Startup And Control Of Graph-Based Computation
<del>ISSUED</del>	<del>2004.543637 (068001)</del>	<del>EU</del>	<del>Startup And Control Of Graph-Based Computation</del>
<del>ISSUED</del>	<del>2770720.5 (068001)</del>	<del>JP</del>	<del>Startup And Control Of Graph-Based Computation</del>
<del>ISSUED</del>	<del>2601072 (068001)</del>	<del>CA</del>	<del>Startup And Control Of Graph-Based Computation</del>
<del>FILED</del>	<del>2007302782 (068001)</del>	<del>AU</del>	<del>Startup And Control Of Graph-Based Computation</del>
<del>FILED</del>	<del>2007.070200 (068001)</del>	<del>AU</del>	<del>Startup And Control Of Graph-Based Computation</del>
<del>ISSUED</del>	<del>2121118.6 (068001)</del>	<del>UK</del>	<del>Startup And Control Of Graph-Based Computation</del>
<del>ISSUED</del>	<del>17010615.8806 (068001)</del>	<del>IN</del>	<del>Startup And Control Of Graph-Based Computation</del>
<del>ISSUED</del>	<del>2807/DFI/NO/2007 (068001)</del>	<del>IN</del>	<del>Startup And Control Of Graph-Based Computation</del>
ISSUED	6,654,907/09/731,234 (057001 CIP of 47001)	US	Continuous Flow Compute Point Based Data Processing
ISSUED	7,164,422/09/627,252 (05001)	US	Parameterized Graphs With Conditional Components
<del>ISSUED</del>	<del>1066879 (05001)</del>	<del>EU</del>	<del>Parameterized Graphs With Conditional Components</del>
<del>ISSUED</del>	<del>2002.515753 (05001)</del>	<del>JP</del>	<del>Parameterized Graphs With Conditional Components</del>
<del>ISSUED</del>	<del>2008.302306 (05001)</del>	<del>JP</del>	<del>Parameterized Graphs With Conditional Components</del>
<del>ISSUED</del>	<del>2437404 (05001)</del>	<del>CA</del>	<del>Parameterized Graphs With Conditional Components</del>
<del>FILED</del>	<del>160111110.2007 (05001)</del>	<del>IN</del>	<del>Parameterized Graphs With Conditional Components</del>
ISSUED	6,584,581/09/608,996 (047001)	US	Continuous Flow Checkpointing Data Processing
<del>ISSUED</del>	<del>082391.3 (047001)</del>	<del>EU</del>	<del>Continuous Flow Checkpointing Data Processing</del>
<del>ISSUED</del>	<del>2804.544443 (047001)</del>	<del>JP</del>	<del>Continuous Flow Checkpointing Data Processing</del>
<del>ISSUED</del>	<del>2202700 (047001)</del>	<del>CA</del>	<del>Continuous Flow Checkpointing Data Processing</del>
<del>ISSUED</del>	<del>2408627.2 (047001)</del>	<del>UK</del>	<del>Continuous Flow Checkpointing Data Processing</del>
ISSUED	7,047,232/09/229,849 (030001)	US	Parallellizing Applications Of Script-Driven Applications
<del>FILED</del>	<del>004353 (030001)</del>	<del>EU</del>	<del>Parallellizing Applications Of Script-Driven Applications</del>
<del>ISSUED</del>	<del>2000.584025 (030001)</del>	<del>JP</del>	<del>Parallellizing Applications Of Script-Driven Applications</del>
<del>ISSUED</del>	<del>2005.062222 (030001)</del>	<del>JP</del>	<del>Parallellizing Applications Of Script-Driven Applications</del>
<del>ISSUED</del>	<del>2360286 (030001)</del>	<del>CA</del>	<del>Parallellizing Applications Of Script-Driven Applications</del>
ISSUED	6,665,882/09/915,185 (02002 CON OF 02001)	US	Method For Analyzing Capacity Of Parallel Processing Systems
ISSUED	6,266,804/08/897,142 (020001)	US	Method For Analyzing Capacity Of Parallel Processing Systems
<del>ISSUED</del>	<del>08055461.1 (020001)</del>	<del>EU</del>	<del>Method For Analyzing Capacity Of Parallel Processing Systems</del>
<del>ISSUED</del>	<del>2000.566342 (020001)</del>	<del>JP</del>	<del>Method For Analyzing Capacity Of Parallel Processing Systems</del>
ISSUED	(020001)		

STATUS (filing date)	PATENT NO./SERIAL NO. (E&R Docket No.)	COUNTRY	TITLE
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Method For Preventing Buffer Deadlock In Dataflow Computations</del>
ISSUED	6,088,716/08/847,909 (010001)	US	Method For Preventing Buffer Deadlock In Dataflow Computations
<del>ISSUED</del>	<del>(060001)</del>	<del>FI</del>	<del>Method For Preventing Buffer Deadlock In Dataflow Computations</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>JP</del>	<del>Method For Preventing Buffer Deadlock In Dataflow Computations</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Method For Preventing Buffer Deadlock In Dataflow Computations</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Method For Preventing Buffer Deadlock In Dataflow Computations</del>
ISSUED	5,857,204/08/678,398 (008001)	US	A Method For Restoring The State Of A Set Of Files
<del>ISSUED</del>	<del>(060001)</del>	<del>FI</del>	<del>A Method For Restoring The State Of A Set Of Files</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>JP</del>	<del>A Method For Restoring The State Of A Set Of Files</del>
<del>FILED</del>	<del>(060001)</del>	<del>CA</del>	<del>A Method For Restoring The State Of A Set Of Files</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>A Method For Restoring The State Of A Set Of Files</del>
ISSUED	5,897,638/08/676,734 (006001)	US	A Parallel Virtual File System
<del>ISSUED</del>	<del>(060001)</del>	<del>FI</del>	<del>A Parallel Virtual File System</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>JP</del>	<del>A Parallel Virtual File System</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>A Parallel Virtual File System</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>A Parallel Virtual File System</del>
ISSUED	5,712,971/08/570,724 (004001)	US	Methods And Systems For Reconstructing The State Of A Computation
<del>ISSUED</del>	<del>(060001)</del>	<del>FI</del>	<del>Methods And Systems For Reconstructing The State Of A Computation</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>JP</del>	<del>Methods And Systems For Reconstructing The State Of A Computation</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>JP</del>	<del>Methods And Systems For Reconstructing The State Of A Computation</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Methods And Systems For Reconstructing The State Of A Computation</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Methods And Systems For Reconstructing The State Of A Computation</del>
ISSUED	5,966,072/08/678,411 (003001)	US	Executing Computations Expressed As Graphs
<del>ISSUED</del>	<del>(060001)</del>	<del>FI</del>	<del>Executing Computations Expressed As Graphs</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>JP</del>	<del>Executing Computations Expressed As Graphs</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Executing Computations Expressed As Graphs</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Executing Computations Expressed As Graphs</del>
ISSUED	5,819,021/08/570,585 (002001)	US	Overpartitioning System And Method For Increasing Checkpoints In Component-Based Parallel Applications
<del>ISSUED</del>	<del>(060001)</del>	<del>FI</del>	<del>Overpartitioning System And Method For Increasing Checkpoints In Component-Based Parallel Applications</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>JP</del>	<del>Overpartitioning System And Method For Increasing Checkpoints In Component-Based Parallel Applications</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Overpartitioning System And Method For Increasing Checkpoints In Component-Based Parallel Applications</del>
<del>ISSUED</del>	<del>(060001)</del>	<del>CA</del>	<del>Overpartitioning System And Method For Increasing Checkpoints In Component-Based Parallel Applications</del>
FILED	11/467,724 (068002 CON of 068001)	US	Startup And Control Of Graph-Based Computation
FILED	11/733,579 (068003 CON of 068001)	US	Transactional Graph Based Computation
FILED	10/873,681 (069001)	US	Computer-Aided Parallelizing Of Computation Graphs
<del>FILED</del>	<del>(069001)</del>	<del>US</del>	<del>Computer-Aided Parallelizing Of Computation Graphs</del>
<del>FILED</del>	<del>(069001)</del>	<del>JP</del>	<del>Computer-Aided Parallelizing Of Computation Graphs</del>
<del>FILED</del>	<del>(069001)</del>	<del>CA</del>	<del>Computer-Aided Parallelizing Of Computation Graphs</del>
<del>FILED</del>	<del>(069001)</del>	<del>CA</del>	<del>Computer-Aided Parallelizing Of Computation Graphs</del>



STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
<del>FILED</del>	<del>(084001)</del>	<del>PCT</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>06773768.2</del>	<del>EP</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>(084001)</del>	<del>JP</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>(084001)</del>	<del>CA</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>200620110</del>	<del>RS</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>(084001)</del>	<del>KR</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>10-2007-1000000</del>	<del>IN</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>009015 ELN 10007</del>	<del>IN</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>200690033200.2</del>	<del>CA</del>	<del>Aggregating Data With Complex Operations</del>
<del>FILED</del>	<del>(084001)</del>	<del>US</del>	<del>Aggregating Data With Complex Operations</del>
FILED	11/169,074 (085001)	US	Managing Message Queues
<del>FILED</del>	<del>PCT/US2006/024233</del>	<del>PCT</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>(085001)</del>	<del>EP</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>06723720.7</del>	<del>EP</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>(085001)</del>	<del>JP</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>(085001)</del>	<del>CA</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>(085001)</del>	<del>ALL</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>2006202162</del>	<del>ALL</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>(085001)</del>	<del>KR</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>10-2007-7000001</del>	<del>IN</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>009575 ELN 2007</del>	<del>IN</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>(085001)</del>	<del>CA</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>200690000030.4</del>	<del>CA</del>	<del>Managing Message Queues</del>
<del>FILED</del>	<del>(085001)</del>	<del>US</del>	<del>Managing Message Queues</del>
FILED	11/169,246 (086001)	US	Managing Memory Pages
<del>FILED</del>	<del>PCT/US2006/024201</del>	<del>PCT</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>(086001)</del>	<del>EP</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>06794244.6</del>	<del>EP</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>(086001)</del>	<del>JP</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>(086001)</del>	<del>CA</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>(086001)</del>	<del>ALL</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>2006902444</del>	<del>ALL</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>(086001)</del>	<del>KR</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>10-2007-7007954</del>	<del>IN</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>(086001)</del>	<del>IN</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>100925 ELN 2007</del>	<del>IN</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>200680010700.0</del>	<del>CA</del>	<del>Managing Memory Pages</del>
<del>FILED</del>	<del>(086001)</del>	<del>US</del>	<del>Managing Memory Pages</del>
FILED	11/169,247 (087001)	US	Translating Expressions In A Computing Environment
<del>FILED</del>	<del>PCT/US2006/024042</del>	<del>PCT</del>	<del>Translating Expressions In A Computing Environment</del>
<del>FILED</del>	<del>(087001)</del>	<del>EP</del>	<del>Translating Expressions In A Computing Environment</del>
<del>FILED</del>	<del>06785000.0</del>	<del>EP</del>	<del>Translating Expressions In A Computing Environment</del>
<del>FILED</del>	<del>(087001)</del>	<del>JP</del>	<del>Translating Expressions In A Computing Environment</del>
<del>FILED</del>	<del>(087001)</del>	<del>CA</del>	<del>Translating Expressions In A Computing Environment</del>
<del>FILED</del>	<del>(087001)</del>	<del>ALL</del>	<del>Translating Expressions In A Computing Environment</del>
<del>FILED</del>	<del>2006801704</del>	<del>ALL</del>	<del>Translating Expressions In A Computing Environment</del>
<del>FILED</del>	<del>(087001)</del>	<del>US</del>	<del>Translating Expressions In A Computing Environment</del>

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
FILED	10-2007-1030020 (087004)	AR	Translating Expressions In A Computing Environment
FILED	200700000180.0 (087004)	CN	Translating Expressions In A Computing Environment
FILED	10-140,061,MP,0007 (087004)	IN	Translating Expressions In A Computing Environment
FILED	11/169,014 (088001)	US	Managing Parameters For Graph-Based Computations
FILED	PCT/US2006/024032 (088004)	PCT	Managing Parameters For Graph-Based Computations
FILED	08774002.0 (088004)	EP	Managing Parameters For Graph-Based Computations
FILED	(088004)	JP	Managing Parameters For Graph-Based Computations
FILED	(088004)	CA	Managing Parameters For Graph-Based Computations
FILED	2006061760 (088004)	AU	Managing Parameters For Graph-Based Computations
FILED	10-2007-1030027 (088004)	AR	Managing Parameters For Graph-Based Computations
FILED	10-100,051,MP,0007 (088004)	IN	Managing Parameters For Graph-Based Computations
FILED	200600001478.4 (088004)	CN	Managing Parameters For Graph-Based Computations
FILED	11/167,902 (089001)	US	Managing Metadata For Graph-Based Computations
FILED	PCT/US2006/024033 (089004)	PCT	Managing Metadata For Graph-Based Computations
FILED	08774002.0 (089004)	EP	Managing Metadata For Graph-Based Computations
FILED	(089004)	JP	Managing Metadata For Graph-Based Computations
FILED	(089004)	CA	Managing Metadata For Graph-Based Computations
FILED	200600001478.4 (089004)	AU	Managing Metadata For Graph-Based Computations
FILED	10-117,000,MP,0007 (089004)	IN	Managing Metadata For Graph-Based Computations
FILED	10-2007-1030028 (089004)	AR	Managing Metadata For Graph-Based Computations
FILED	10/979,742 (090001)	US	Managing Related Data Objects
FILED	PCT/US2006/024034 (090004)	PCT	Managing Related Data Objects
FILED	08774002.0 (090004)	EP	Managing Related Data Objects
FILED	(090004)	JP	Managing Related Data Objects
FILED	2504028 (090004)	CA	Managing Related Data Objects
FILED	200600001478.4 (090004)	AU	Managing Related Data Objects
FILED	200600001478.4 (090004)	CA	Managing Related Data Objects
FILED	3004028,MP,0007 (090004)	IN	Managing Related Data Objects
FILED	11/733,434 (091001)	US	Business Rules Editor
FILED	11/434,623 (095001)	US	Managing Computing Resources In Graph-Based Computations
FILED	PCT/US2007/068046 (095004)	PCT	Managing Computing Resources In Graph-Based Computations



STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
FILED	11/838,349 (117001)	US	Distributing Services In Graph-Based Computations
FILED	<del>11/838,349 (117001)</del>	<del>US</del>	<del>Distributing Services In Graph-Based Computations</del>
FILED	11/555,458 (119001)	US	Managing Storage Of Individually Accessible Data Units
FILED	<del>11/555,458 (119001)</del>	<del>US</del>	<del>Managing Storage Of Individually Accessible Data Units</del>
FILED	60/952,075 (128P01)	US	Transaction Graph-Based Computation With Error Handling
FILED	60/973,979 (131P01)	US	Managing Data Flows In Graph-Based Computations
FILED	12/015,085 (130001)	US	Managing An Archive For Approximate String Matching