PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ab Initio Software LLC	07/16/2008

RECEIVING PARTY DATA

Name:	Architecture LLC
Street Address:	201 Spring Street
City:	Lexington
State/Country:	MASSACHUSETTS
Postal Code:	02421

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13552706

CORRESPONDENCE DATA

Fax Number:
Phone: 617-542-5070
Email: pxm@fr.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name: Jeffrey J. Barclay
Address Line 1: One Marina Park Drive
Address Line 4: Boston, MASSACHUSETTS 02210

CH $40.00 13552706

ATTORNEY DOCKET NUMBER:	07470-0119002
NAME OF SUBMITTER:	Paul J. Micele

Total Attachments: 8
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ASSIGNMENT OF TRADE SECRET, INVENTION & PATENT RIGHTS

Assignor: Ab Initio Software LLC, a Delaware limited liability company

Assignee: Architecture 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: Ab Initio Software 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
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
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
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
ISSUED	6,584,581/09/608,995 (047001)	US	Continuous Flow Checkpointing Data Processing
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
ISSUED	7,047,232/09/229,849 (030001)	US	Parallelizing Applications Of Script-Driven Applications
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
ISSUED	6,665,862/09/915,185 (02002 CON OF 02001)	US	Method For Analyzing Capacity Of Parallel Processing Systems
ISSUED	6,266,804/08/997,142 (020001)	US	Method For Analyzing Capacity Of Parallel Processing Systems
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
[redacted]	[redacted]	CA	[redacted]
ISSUED	6,088,716/08/847,909 (010001)	US	Method For Preventing Buffer Deadlock In Dataflow Computations
[redacted]	[redacted]	EU	[redacted]
[redacted]	[redacted]	JP	[redacted]
[redacted]	[redacted]	CA	[redacted]
ISSUED	5,857,204/08/678,398 (008001)	US	A Method For Restoring The State Of A Set Of Files
[redacted]	[redacted]	EU	[redacted]
[redacted]	[redacted]	JP	[redacted]
[redacted]	[redacted]	CA	[redacted]
ISSUED	5,897,638/08/876,734 (006001)	US	A Parallel Virtual File System
[redacted]	[redacted]	EU	[redacted]
[redacted]	[redacted]	JP	[redacted]
[redacted]	[redacted]	CA	[redacted]
ISSUED	5,712,971/08/570,724 (004001)	US	Methods And Systems For Reconstructing The State Of A Computation
[redacted]	[redacted]	EU	[redacted]
[redacted]	[redacted]	JP	[redacted]
[redacted]	[redacted]	CA	[redacted]
ISSUED	5,966,072/08/678,411 (003001)	US	Executing Computations Expressed As Graphs
[redacted]	[redacted]	EU	[redacted]
[redacted]	[redacted]	JP	[redacted]
[redacted]	[redacted]	CA	[redacted]
ISSUED	5,819,021/08/570585 (002001)	US	Overpartitioning System And Method For Increasing Checkpoints In Component-Based Parallel Applications
[redacted]	[redacted]	EU	[redacted]
[redacted]	179820	JP	[redacted]
[redacted]	[redacted]	CA	[redacted]
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
[redacted]	[redacted]	EU	[redacted]
[redacted]	[redacted]	JP	[redacted]
[redacted]	[redacted]	CA	[redacted]

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
[redacted]			
FILED	10/941,402 (070001)	US	Data Profiling
[redacted]			
FILED	10/941,373 (070002)	US	Joint Field Profiling
FILED	11/467,724 (070003)	US	Functional Dependency Data Profiling
FILED	10/795,374 (071001)	US	Dependency Graph Parameter Scoping
[redacted]			
FILED	10/796,612 (072001)	US	Controlling Task Execution
[redacted]			
FILED	11/169,073 (084001)	US	Aggregating Data With Complex Operations

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
[redacted]	[redacted]	[redacted]	[redacted]
FILED	11/169,074 (085001)	US	Managing Message Queues
[redacted]	[redacted]	[redacted]	[redacted]
FILED	11/169,246 (086001)	US	Managing Memory Pages
[redacted]	[redacted]	[redacted]	[redacted]
FILED	11/169,247 (087001)	US	Translating Expressions In A Computing Environment
[redacted]	[redacted]	[redacted]	[redacted]

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
[redacted]	[redacted]	[redacted]	[redacted]
FILED	11/169,014 (088001)	US	Managing Parameters For Graph-Based Computations
[redacted]	[redacted]	[redacted]	[redacted]
FILED	11/167,902 (089001)	US	Managing Metadata For Graph-Based Computations
[redacted]	[redacted]	[redacted]	[redacted]
FILED	10/979,742 (090001)	US	Managing Related Data Objects
[redacted]	[redacted]	[redacted]	[redacted]
FILED	11/733,434 (091001)	US	Business Rules Editor
FILED	11/434,623 (095001)	US	Managing Computing Resources In Graph-Based Computations
[redacted]	[redacted]	[redacted]	[redacted]

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
FILED	11/836,349 (117001)	US	Distributing Services In Graph-Based Computations
[redacted]	[redacted]	[redacted]	[redacted]
FILED	11/555,458 (119001)	US	Managing Storage Of Individually Accessible Data Units
[redacted]	[redacted]	[redacted]	[redacted]
FILED	60/952,075 (128PO1)	US	Transaction Graph-Based Computation With Error Handling
FILED	60/973,979 (131PO1)	US	Managing Data Flows In Graph-Based Computations
FILED	12/015,085 (130001)	US	Managing An Archive For Approximate String Matching