

Substitute Form PTO-1595
Attorney Docket No.: 07470-0089002

RECORDATION FORM COVER SHEET PATENTS ONLY

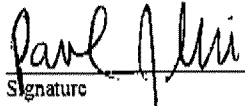
Commissioner for Patents: Please record the attached original document(s) or copy(ies).		
1. Name of conveying party(ies): Ab Initio Software LLC 201 Spring Street Lexington, MA 02421 Additional name(s) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies): Architecture LLC 201 Spring Street Lexington, MA 02421 Additional names/addresses attached? ☐ Yes ☒ No	
3. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other: Execution Date: 07/16/2008		
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): 12/977,545 B. Patent No(s): Additional numbers attached? ☐ Yes ☒ No		
5. Name/address of party to whom correspondence concerning document should be mailed: PTO Customer Number: 26161	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 ☐ Enclosed ☒ Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.	
DO NOT USE THIS SPACE		
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>		
Elliott J. Mason, III Name of Person Signing	/Elliott J. Mason, III Reg. No. 56,569/ Elliott J. Mason, III	January 18, 2011 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).

1/18/11
 Date of Deposit


 Signature

Paul J. Miele
 Typed Name of Person Signing Certificate

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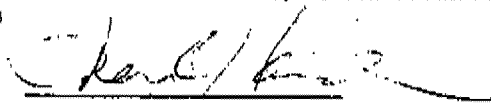
ASSIGNMENT OF TRADE SECRET, INVENTION & PATENT RIGHTS

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

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
FILED	PCT/US2006/024280	PCT	Aggregating Data With Complex Operations
FILED	(084001)		
FILED	06778708.8	EP	Aggregating Data With Complex Operations
FILED	(084001)		
FILED	(084001)	JP	Aggregating Data With Complex Operations
FILED	(084001)	CA	Aggregating Data With Complex Operations
FILED	(084001)		
FILED	200020110	AU	Aggregating Data With Complex Operations
FILED	(084001)		
FILED	06778708.8	KR	Aggregating Data With Complex Operations
FILED	(084001)		
FILED	06778708.8	IN	Aggregating Data With Complex Operations
FILED	(084001)		
FILED	200609093202.2	CN	Aggregating Data With Complex Operations
FILED	(084001)		
FILED	11/169,074 (085001)	US	Managing Message Queues
FILED	PCT/US2006/024233	PCT	Managing Message Queues
FILED	(085001)		
FILED	06772728.7	EP	Managing Message Queues
FILED	(085001)		
FILED	(085001)	JP	Managing Message Queues
FILED	(085001)	CA	Managing Message Queues
FILED	(085001)		
FILED	2006250403	AT	Managing Message Queues
FILED	(085001)		
FILED	10 2007 20070001	KR	Managing Message Queues
FILED	(085001)		
FILED	06060606060007	IN	Managing Message Queues
FILED	(085001)		
FILED	200609093202.2	CN	Managing Message Queues
FILED	(085001)		
FILED	11/169,246 (086001)	US	Managing Memory Pages
FILED	PCT/US2006/024291	PCT	Managing Memory Pages
FILED	(086001)		
FILED	06786244.6	EP	Managing Memory Pages
FILED	(086001)		
FILED	(086001)	JP	Managing Memory Pages
FILED	(086001)	CA	Managing Memory Pages
FILED	(086001)		
FILED	2006250411	AT	Managing Memory Pages
FILED	(086001)		
FILED	10 2007 20070001	KR	Managing Memory Pages
FILED	(086001)		
FILED	06060606060007	IN	Managing Memory Pages
FILED	(086001)		
FILED	200609093202.2	CN	Managing Memory Pages
FILED	(086001)		
FILED	11/169,247 (087001)	US	Translating Expressions In A Computing Environment
FILED	PCT/US2006/024292	PCT	Translating Expressions In A Computing Environment
FILED	(087001)		
FILED	06786244.6	EP	Translating Expressions In A Computing Environment
FILED	(087001)		
FILED	(087001)	JP	Translating Expressions In A Computing Environment
FILED	(087001)	CA	Translating Expressions In A Computing Environment
FILED	(087001)		
FILED	200609093202.2	AU	Translating Expressions In A Computing Environment
FILED	(087001)		

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
FILED	10/2007/1000520 (088001)	KR	Translating Expressions In A Computing Environment
FILED	0000000000000 (087001)	CN	Translating Expressions In A Computing Environment
FILED	10/1007/1000520 (087001)	IN	Translating Expressions In A Computing Environment
FILED	11/169,014 (088001)	US	Managing Parameters For Graph-Based Computations
FILED	PCT/US2006/024057 (088001)	PCT	Managing Parameters For Graph-Based Computations
FILED	0000000000000 (088001)	FR	Managing Parameters For Graph-Based Computations
FILED	0000000000000 (088001)	JP	Managing Parameters For Graph-Based Computations
FILED	0000000000000 (088001)	CA	Managing Parameters For Graph-Based Computations
FILED	0000000000000 (088001)	AU	Managing Parameters For Graph-Based Computations
FILED	10/2007/1000520 (088001)	KR	Managing Parameters For Graph-Based Computations
FILED	10/1007/1000520 (088001)	IN	Managing Parameters For Graph-Based Computations
FILED	0000000000000 (088001)	CN	Managing Parameters For Graph-Based Computations
FILED	11/167,902 (089001)	US	Managing Metadata For Graph-Based Computations
FILED	PCT/US2006/024077 (089001)	PCT	Managing Metadata For Graph-Based Computations
FILED	0000000000000 (089001)	FR	Managing Metadata For Graph-Based Computations
FILED	0000000000000 (089001)	JP	Managing Metadata For Graph-Based Computations
FILED	0000000000000 (089001)	CA	Managing Metadata For Graph-Based Computations
FILED	0000000000000 (089001)	AU	Managing Metadata For Graph-Based Computations
FILED	0000000000000 (089001)	CN	Managing Metadata For Graph-Based Computations
FILED	10/1007/1000520 (089001)	IN	Managing Metadata For Graph-Based Computations
FILED	10/2007/1000520 (089001)	KR	Managing Metadata For Graph-Based Computations
FILED	10/979,742 (090001)	US	Managing Related Data Objects
FILED	PCT/US2006/024097 (090001)	PCT	Managing Related Data Objects
FILED	0000000000000 (090001)	FR	Managing Related Data Objects
FILED	0000000000000 (090001)	JP	Managing Related Data Objects
FILED	0000000000000 (090001)	CA	Managing Related Data Objects
FILED	0000000000000 (090001)	AU	Managing Related Data Objects
FILED	0000000000000 (090001)	CN	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/US2007/000040 (095001)	PCT	Managing Computing Resources In Graph-Based Computations

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
FILED	11/836,349 (117001)	US	Distributing Services In Graph-Based Computations
FILED	11/555,458 (119001)	US	Managing Storage Of Individually Accessible Data Units
FILED	11/555,458 (119001)	US	Managing Storage Of Individually Accessible Data Units
FILED	60/962,075 (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