

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3167914

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
SEQUENCE:	4	
CONVEYING PARTY DATA		
	Name	Execution Date
	ARCHITECTURE LLC	07/16/2008
RECEIVING PARTY DATA		
Name:	AB INITIO TECHNOLOGY LLC	
Street Address:	201 SPRING STREET	
City:	LEXINGTON	
State/Country:	MASSACHUSETTS	
Postal Code:	02421	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14325007
CORRESPONDENCE DATA		
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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Email:	apsi@fr.com	
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ATTORNEY DOCKET NUMBER:	07470-0130002	
NAME OF SUBMITTER:	NANCY MCCOY	
SIGNATURE:	/Nancy McCoy/	
DATE SIGNED:	01/02/2015	
Total Attachments: 8		
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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:

Date:

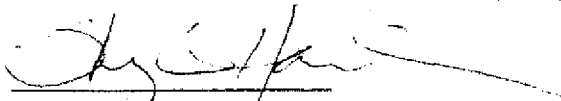
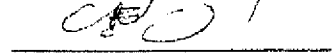
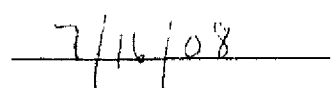




EXHIBIT PATENT

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
ISSUED	2004-543637 (068001)	EU	Startup And Control Of Graph-Based Computation
ISSUED	2770720.5 (068001)	JP	Startup And Control Of Graph-Based Computation
ISSUED	2501876 (068001)	CA	Startup And Control Of Graph-Based Computation
FILED	2007202782 (068001)	AU	Startup And Control Of Graph-Based Computation
FILED	2009-030900 (068001)	AU	Startup And Control Of Graph-Based Computation
ISSUED	6131118.8 (068001)	HK	Startup And Control Of Graph-Based Computation
ISSUED	1561461 NP/2006 (068001)	IN	Startup And Control Of Graph-Based Computation
ISSUED	2807/DEL NP/2007 (068001)	IN	Startup And Control Of Graph-Based Computation
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
ISSUED	2055078 (05001)	EU	Parameterized Graphs With Conditional Components
ISSUED	2002-545753 (05001)	JP	Parameterized Graphs With Conditional Components
ISSUED	2008-302306 (05001)	JP	Parameterized Graphs With Conditional Components
ISSUED	2437404 (05001)	CA	Parameterized Graphs With Conditional Components
FILED	1601411 IND 2003 (05001)	IN	Parameterized Graphs With Conditional Components
ISSUED	6,584,581/09/608,995 (047001)	US	Continuous Flow Checkpointing Data Processing
ISSUED	882381.3 (047001)	EU	Continuous Flow Checkpointing Data Processing
ISSUED	2001-544443 (047001)	JP	Continuous Flow Checkpointing Data Processing
ISSUED	2202200 (047001)	CA	Continuous Flow Checkpointing Data Processing
ISSUED	2106527.2 (047001)	HK	Continuous Flow Checkpointing Data Processing
ISSUED	7,047,232/09/229,849 (030001)	US	Parallelizing Applications Of Script-Driven Applications
ISSUED	204353 (030001)	EU	Parallelizing Applications Of Script-Driven Applications
FILED	2000-504025 (030001)	JP	Parallelizing Applications Of Script-Driven Applications
ISSUED	2006-062232 (030001)	JP	Parallelizing Applications Of Script-Driven Applications
ISSUED	2360286 (030001)	CA	Parallelizing Applications Of Script-Driven Applications
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
ISSUED	8826546.1 (020001)	EU	Method For Analyzing Capacity Of Parallel Processing Systems
ISSUED	2006-506842 (020001)	JP	Method For Analyzing Capacity Of Parallel Processing Systems
ISSUED	(020001)		

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
FILED	PCT/US2006/024280 (084001)	PCT	Aggregating Data With Complex Operations
FILED	06773703.3 (084001)	EP	Aggregating Data With Complex Operations
FILED	(084001)	JP	Aggregating Data With Complex Operations
FILED	(084001)	CA	Aggregating Data With Complex Operations
FILED	(084001)	AS	Aggregating Data With Complex Operations
FILED	200020110 (084001)	KR	Aggregating Data With Complex Operations
FILED	10-2007-700000 (084001)	IN	Aggregating Data With Complex Operations
FILED	3030/DELNP/2007 (084001)	CN	Aggregating Data With Complex Operations
FILED	200609032302.3 (084001)	US	Managing Message Queues
FILED	11/169,074 (085001)	PCT	Managing Message Queues
FILED	PCT/US2006/024233 (085001)	EP	Managing Message Queues
FILED	06773728.3 (085001)	JP	Managing Message Queues
FILED	(085001)	CA	Managing Message Queues
FILED	(085001)	AU	Managing Message Queues
FILED	2006202163 (085001)	KR	Managing Message Queues
FILED	10-2007-700001 (085001)	IN	Managing Message Queues
FILED	0605/DEL NP/2007 (085001)	CN	Managing Message Queues
FILED	200609032370.4 (085001)	US	Managing Memory Pages
FILED	11/169,246 (086001)	PCT	Managing Memory Pages
FILED	PCT/US2006/024291 (086001)	EP	Managing Memory Pages
FILED	06785241.6 (086001)	JP	Managing Memory Pages
FILED	(086001)	CA	Managing Memory Pages
FILED	(086001)	AU	Managing Memory Pages
FILED	2006202114 (086001)	KR	Managing Memory Pages
FILED	10-2007-7027054 (086001)	IN	Managing Memory Pages
FILED	40262/DEL NP/2007 (086001)	CN	Managing Memory Pages
FILED	200609032305.2 (086001)	US	Translating Expressions In A Computing Environment
FILED	11/169,247 (087001)	PCT	Translating Expressions In A Computing Environment
FILED	PCT/US2006/024040 (087001)	EP	Translating Expressions In A Computing Environment
FILED	06785206.0 (087001)	JP	Translating Expressions In A Computing Environment
FILED	(087001)	CA	Translating Expressions In A Computing Environment
FILED	(087001)	AU	Translating Expressions In A Computing Environment
FILED	2006081751 (087001)		

STATUS (filing date)	PATENT NO./SERIAL NO. (F&R Docket No.)	COUNTRY	TITLE
FILED	10/2007/050520 (087004)	KR	Translating Expressions In A Computing Environment
FILED	200608023480.0 (087004)	CN	Translating Expressions In A Computing Environment
FILED	40140/DELNP/0007 (087004)	IN	Translating Expressions In A Computing Environment
FILED	11/169,014 (088001)	US	Managing Parameters For Graph-Based Computations
FILED	PCT/US2006/024057 (088004)	PCT	Managing Parameters For Graph-Based Computations
FILED	06734090.0 (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	2006264760 (088004)	AU	Managing Parameters For Graph-Based Computations
FILED	10/2007/080527 (088004)	KR	Managing Parameters For Graph-Based Computations
FILED	40100/DELNP/0007 (088004)	IN	Managing Parameters For Graph-Based Computations
FILED	200630022478.1 (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	06734090.0 (089004)	EP	Managing Metadata For Graph-Based Computations
FILED	(089004)	JP	Managing Metadata For Graph-Based Computations
FILED	2640080 (089004)	CA	Managing Metadata For Graph-Based Computations
FILED	2006264740 (089004)	AU	Managing Metadata For Graph-Based Computations
FILED	200630022478.1 (089004)	CN	Managing Metadata For Graph-Based Computations
FILED	10110/DELNP/2007 (089004)	IN	Managing Metadata For Graph-Based Computations
FILED	10/2007/080520 (089004)	KR	Managing Metadata For Graph-Based Computations
FILED	10/979,742 (090001)	US	Managing Related Data Objects
FILED	PCT/US2006/024057 (090004)	PCT	Managing Related Data Objects
FILED	06734090.0 (090004)	EP	Managing Related Data Objects
FILED	(090004)	JP	Managing Related Data Objects
FILED	2504020 (090004)	CA	Managing Related Data Objects
FILED	200608023480 (090004)	AU	Managing Related Data Objects
FILED	200630022478.1 (090004)	CN	Managing Related Data Objects
FILED	30040/DELNP/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	11/836,349 (117001)	US	Distributing Services In Graph-Based Computations
FILED	(117001)	US	Distributing Services In Graph-Based Computations
FILED	11/555,458 (119001)	US	Managing Storage Of Individually Accessible Data Units
FILED	PCT/US2003/00305 (118881)	US	Managing Storage Of Individually Accessible Data Units
FILED	60/952,075 (128PC1)	US	Transaction Graph-Based Computation With Error Handling
FILED	60/973,979 (131PC1)	US	Managing Data Flows In Graph-Based Computations
FILED	12/015,085 (130001)	US	Managing An Archive For Approximate String Matching