

### 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):  
Matthew Darcy Atterbury, H. Mark Bromley,  
Wayne Mesard, Arkadi Popov, Stephen Schmidt,  
Craig W. Stanfill and Joseph Skeffington Wholey  
III  
Additional name(s) attached?  Yes  No

2. Name and address of receiving party(ies):  
Ab Initio Software LLC  
201 Spring Street  
Lexington, MA 02421

3. Nature of conveyance:  
 Assignment  
 Merger  
 Security Agreement  
 Change of Name  
 Other:  
Execution Date: 06/15/2011; 06/15/2011;  
06/15/2011; 06/15/2011; 06/15/2011;  
06/05/2011; 06/15/2011

Additional names/addresses attached?  Yes  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):  
13/161,010  
Additional numbers attached?  Yes  No

B: Patent No(s):

5. Name/address of party to whom correspondence concerning document should be mailed:  
**PTO Customer Number: 26161  
Fish & Richardson P.C.**

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.

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9. Statement and Signature: *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.*

Elliott J. Mason, III  
Name of Person Signing

/Elliott J. Mason, III Reg. No. 56,569/  
Elliott J. Mason, III

June 16, 2011  
Date

Total number of pages including coversheet, attachments and document: 9

CH \$40.00 061050 13161010

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#### CERTIFICATE OF TRANSMISSION BY FACSIMILE

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

6/16/11  
Date of Deposit

Paul J. Miele  
Signature

Paul J. Miele  
Typed Name of Person Signing Certificate

**PATENT**

### ASSIGNMENT

For valuable consideration, we, Matthew Darcy Atterbury, of 6 Gerard Terrace Lexington MA 02421; H. Mark Bromley, of 1194 Center Rd Lyndeborough NH 03082; Wayne Mesard, of 14 Ash Street Belmont, MA 02478; Arkadi Popov, of 5 Mallard Drive Sharon, MA 02067; Stephen Schmidt, of 12 Liberty Avenue Medford, MA 02155; Craig W. Stanfill, of 43 Huckleberry Hill Road Lincoln, MA 01773; Joseph Skeffington Wholey III, of 11 Hillcrest Road Belmont, MA 02478; hereby assign to AB INITIO SOFTWARE LLC, a limited liability company of Delaware, having a place of business at 201 Spring Street Lexington, MA 02421, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DYNAMICALLY LOADING GRAPH-BASED COMPUTATIONS, filed 6/15/2011, and assigned U.S. Serial Number 13/161,010, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Attorney Docket No.: 07470-0202001

DATE: 6/15/2011


*MD Atterbury*  
MATTHEW DARCY ATTERBURY

STATE OF Massachusetts )  
COUNTY OF Middlesex ) SS.

On June 15, 2011, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared MATTHEW DARCY ATTERBURY personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

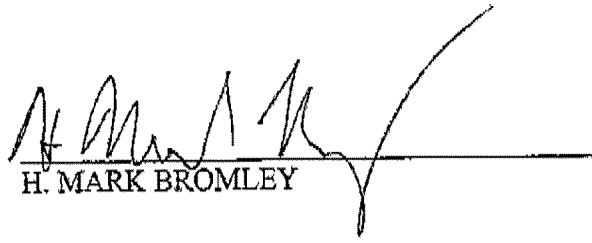
WITNESS my hand and official seal.

*Alexandria M.L. Wudyka*  
Notary Public

 ALEXANDRIA M. L. WUDYKA  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
June 14, 2013

Attorney Docket No.: 07470-0202001

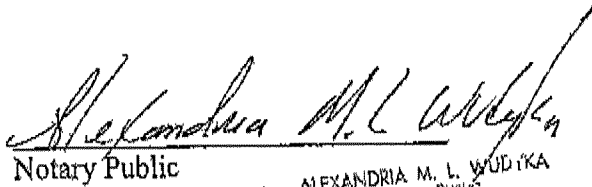
DATE: June 15, 2011


  
H. MARK BROMLEY

STATE OF Massachusetts )  
COUNTY OF Middlesex ) SS.

On June 15, 2011, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared H. MARK BROMLEY personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

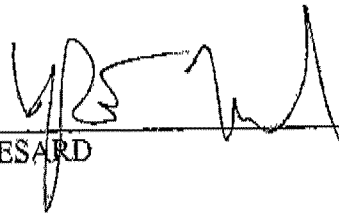
WITNESS my hand and official seal.

  
Notary Public

 ALEXANDRIA M. L. WUDJIK  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
June 14, 2013

Attorney Docket No.: 07470-0202001

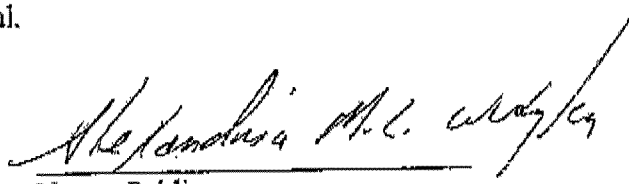
DATE: 6/15/2011

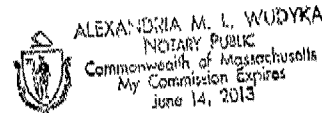
  
\_\_\_\_\_  
WAYNE MESARD

STATE OF Massachusetts )  
COUNTY OF W. dd Essex ) SS.

On June 15, 2011, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared WAYNE MESARD personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

  
\_\_\_\_\_  
Notary Public



Attorney Docket No.: 07470-0202001

DATE: 06/15/2011


[Signature]  
ARKADI POPOV

STATE OF Massachusetts )  
COUNTY OF Middlesex ) SS.

On June 15, 2011, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared ARKADI POPOV personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Alexandria M. L. Wudyka  
Notary Public

 ALEXANDRIA M. L. WUDYKA  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
June 14, 2013

Attorney Docket No.: 07470-0202001

DATE: 6/15/2011

*Stephen Schmidt*  
STEPHEN SCHMIDT

STATE OF Massachusetts )  
COUNTY OF Middlesex ) SS.

On June 15, 2011, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared STEPHEN SCHMIDT personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

*Alexandria M.L. Widyka*  
Notary Public



ALEXANDRIA M. L. WIDYKA  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
June 14, 2013







Attorney's Docket No.: 07470-0202001

**OFFICIAL COMMUNICATION FACSIMILE****TO THE ATTENTION OF:****MAIL STOP ASSIGNMENT****MAIL STOP ASSIGNMENT FAX NO: 571/273-0140**

Number of pages including this page 10

Applicant : Matthew Darcy Atterbury et al.      Art Unit : N/A  
Serial No. : 13/161,010                              Examiner : N/A  
Filed : June 15, 2011

FACSIMILE COMMUNICATION

Title : DYNAMICALLY LOADING GRAPH-BASED COMPUTATIONS

**MAIL STOP ASSIGNMENT RECORDATION SERVICES**

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

Attached to this facsimile communication cover sheet is a Recordation Form Cover Sheet and Assignment, faxed this 16th day of June, 2011, to Mail Stop Assignment Recordation Services, U.S. Patent and Trademark Office.

Respectfully submitted,

Date: June 16, 2011

/Elliott J. Mason, III/

Elliott J. Mason, III Reg. No. 56,569

PTO Customer No. 26161  
Fish & Richardson P.C.  
Telephone: (617) 542-5070  
Fax: (617) 542-8906

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**PATENT****RECORDED: 06/16/2011****REEL: 026451 FRAME: 0449**