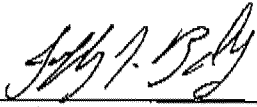


Substitute Form PTO-1595  
Attorney Docket No.: 07470-0238001

## RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).			
<b>1. Name of conveying party(ies):</b> Ab Initio Software LLC 201 Spring Street Lexington, MA 02421  Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies):</b> Ab Initio Original Works LLC 201 Spring Street Lexington, MA 02421  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>3. Nature of conveyance:</b> <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: 02/24/2012			
<b>4. Application number(s) or patent number(s):</b> If this document is being filed with a new application, the execution date of the application is: <table style="width: 100%;"> <tr> <td style="width: 50%;">A. Patent Application No(s): 13/350,191</td> <td style="width: 50%;">B. Patent No(s):</td> </tr> </table> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		A. Patent Application No(s): 13/350,191	B. Patent No(s):
A. Patent Application No(s): 13/350,191	B. Patent No(s):		
<b>5. Name/address of party to whom correspondence concerning document should be mailed:</b>  <b>PTO Customer Number: 26161</b> <b>Fish &amp; Richardson P.C.</b>	<b>6. Total number of applications/patents involved: 1</b>  <b>7. Total fee (37 CFR §3.41): \$40</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account.  <b>8. Deposit Account No.: 06-1050</b> Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.		
DO NOT USE THIS SPACE			
<b>9. Statement and Signature:</b> <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>			
Jeffrey J. Barclay Reg. No. 48,950 Name of Person Signing	 Signature		
	27 February 2012 Date		
Total number of pages including coversheet, attachments and document: 2			

CH \$40.00 061050 13350191

22797574.doc

**ASSIGNMENT**

**Assigned inventions & patent application(s):** MANAGING CHANGES TO COLLECTIONS OF DATA  
[U.S. Serial Number 13/350,191, filed January 13, 2012]

**Assignor:** Ab Initio Software LLC, a Delaware limited liability company, having a place of business at 201 Spring Street, Lexington, MA 02421, and its successors and assigns.

**Assignee:** Ab Initio Original Works LLC, a Delaware limited liability company, having a place of business at 201 Spring Street, Lexington, MA 02421, and its successors and assigns.

For valuable consideration Assignor hereby assigns to Assignee the entire right, title and interest throughout the world in the inventions and improvements which are subject of the above-identified application(s) for United States Patent (the "Patent Rights").

This Assignment includes the Patent Rights, any and all United States and foreign patents, utility models, design registrations, inventors' certificates, and similar rights granted for any inventions or improvements in or derived from the Patent Rights, and the right to claim priority based on the filing date or dates of the Patent Rights 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. Assignor authorizes Assignee to apply in all countries in Assignor's name or in Assignee's own name for patents, utility models, design registrations, inventors' certificates, and similar rights for such inventions and improvements.

If the respective U.S. serial number(s) and filing date(s) are not set forth above, Assignor authorizes and requests the attorneys appointed in the Application to complete this Assignment by inserting above such serial number(s) and filing date(s) when known.

Assignor agrees, 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.

Date: 2/24/12

Alexandria M.L. Wudyka, Esq.  
Alexandria M.L. Wudyka, Esq.

State of Massachusetts )  
County of Middlesex ) SS.

On Feb 24, 2012, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared Alexandria M.L. Wudyka 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 her authorized capacity and that by her signature on this Assignment, the person or the entity upon behalf of which she acted, executed this Assignment.

WITNESS my hand and official seal.

[Signature]  
Notary Public



MR. GARY KHOSROIAN  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
June 25, 2015