

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FRANZ FAERBER	12/22/2010
DANIEL BAEUMGES	12/22/2010
TOBIAS MINDNICH	12/22/2010
CHRISTOPH WEYERHAEUSER	12/22/2010
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14590769
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<b>SIGNATURE:</b>	/Charles L. Hamilton/
<b>DATE SIGNED:</b>	07/26/2017
<b>Total Attachments: 3</b>	
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**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, **Franz Faerber**, a citizen of Germany; **Daniel Baeumges**, a citizen of Germany; **Tobias Mindnich**, a citizen of Germany; and **Christoph Weyerhaeuser**, a citizen of Germany, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Performing Complex Operations in a Database using a Semantic Layer**

Date(s) of execution of Declaration: Dec 22, 2010; and

Filing Date: Dec 27, 2010

WHEREAS, SAP AG, located at Dietmar-Hopp-Allee 16, 69190 Walldorf, Germany; hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Fountainhead Law Group PC, 900 Lafayette St., Ste. 509, Santa Clara, CA 95050, to insert herein above the date of execution of declaration and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 22.12.2010

Franz Faerber  
Franz Faerber

WITNESSED:

Dated: 12/22/2010

Sign: T. Mindnich

Print: Tobias Mindnich

Dated: 12/22/2010

D. Baumges  
Daniel Baumges

WITNESSED:

Dated: 12/22/2010

Sign: Ch. Weyerhaeuser

Print: Christoph Weyerhaeuser

Dated: 12/22/2010

T. Mindnich  
Tobias Mindnich

WITNESSED:

Dated: 12/22/2010

Sign: D. Baumges

Print: DANIEL BAUMGES

Dated: 12/22/2010

Ch. Weyerhaeuser  
Christoph Weyerhaeuser

WITNESSED:

Assignment

Attorney Docket No.: 000005-015201US

SAP Ref No.: 2010P00154US01

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Dated: 12/22/2010

Sign: T. Mindrich

Print: Tobias Mindrich