

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTOPH WEYERHAEUSER	03/13/2014
TOBIAS MINDNICH	03/13/2014
JOHANNES MERX	03/13/2014
JOERG SCHAD	03/13/2014
JULIAN SCHWING	03/13/2014
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City:	WALLDORF
State/Country:	GERMANY
Postal Code:	D-69190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14212163
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ATTORNEY DOCKET NUMBER:	54874-027F01US
NAME OF SUBMITTER:	CARL A. KUKKONEN
SIGNATURE:	/ck3/
DATE SIGNED:	03/14/2014
Total Attachments: 6	
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ASSIGNMENT

We, **Christoph Weyerhaeuser** of Heidelberg, Germany, **Tobias Mindnich** of Sulzbach, Germany, **Johannes Merx** of Heidelberg, Germany, **Joerg Schad** of Leimen, Germany, and **Julian Schwing** of Mannheim, Germany; the undersigned, hereinafter referred to as the ASSIGNORS, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **SAP AG, a German Corporation**, with offices at Dietmar-Hopp-Allee 16, D-69190, Walldorf, Germany, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

Dynamic Resource-based Parallelization in Distributed Query Execution Frameworks

filed with the U.S. Patent and Trademark Office on March 14, 2014 and assigned Application No. 14/212,163¹, including any subsequently filed utility applications, which claim priority to Application No. 14/212,163¹, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

¹ Any attorney or agent of record and any registered attorney or agent of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., One Financial Center, Boston, MA 02111, telephone (617) 542-6000, is hereby authorized to insert, when known.

First Inventor: Christoph Weyerhaeuser et al.
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We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 13.03.2014 *Ch. Weyerhaeuser*
Signature of: Christoph Weyerhaeuser

IN WITNESS WHEREOF, I, *Johanna Marx*, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

J. Marx
(Signature of Witness)

Date: 13.03.2014

IN WITNESS WHEREOF, I, *Joerg Schaud*, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Joerg Schaud
(Signature of Witness)

Date: 13.03.14

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Date: 13.03.14 _____
Signature of: T. Mindnich
Signature of: Tobias Mindnich

IN WITNESS WHEREOF, I, Christoph Weyerhaeuser, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.

Christoph Weyerhaeuser
(Signature of Witness)
Date: 13.03.2014

IN WITNESS WHEREOF, I, Joeng Schaal, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.

Joeng Schaal
(Signature of Witness)
Date: 13.03.14

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Date: 13.03.14 J. Meix
Signature of: Johannes Meix

IN WITNESS WHEREOF, I, Christoph Weyerhaeuser, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Christoph Weyerhaeuser
(Signature of Witness)

Date: 13.03.2014

IN WITNESS WHEREOF, I, Joerg Schmid, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Joerg Schmid
(Signature of Witness)

Date: 13.03.14

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Date: 13.03.14 _____
Signature of: Joerg Schad

IN WITNESS WHEREOF, I, Christoph Weyerhaeuser, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Ch. Weyerhaeuser
(Signature of Witness)

Date: 13.03.2014

IN WITNESS WHEREOF, I, Tobias Mindel, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

T. Mindel
(Signature of Witness)

Date: 14.03.14

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Date: 13.03.2014 Julian Schwing
Signature of: **Julian Schwing**

IN WITNESS WHEREOF, I, Christoph Weyerhaeuser, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Ch. Weyerhaeuser
(Signature of Witness)

Date: 13.03.2014

IN WITNESS WHEREOF, I, Boerg Schrad, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Boerg Schrad
(Signature of Witness)

Date: 13.03.14