

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT BRUNEL	11/23/2016
NORMAN MAY	11/23/2016
RECEIVING PARTY DATA	
Name:	SAP SE
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City:	WALLDORF
State/Country:	GERMANY
Postal Code:	D-69190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16741200
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ATTORNEY DOCKET NUMBER:	14291-426-999
NAME OF SUBMITTER:	LAUREN PETERSON
SIGNATURE:	/Lauren Peterson/
DATE SIGNED:	01/13/2020
Total Attachments: 2	
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source=14291-426-999_Assignment#page2.tif	

ASSIGNMENT

WHEREAS, WE, **Robert BRUNEL**, citizen of the Federal Republic of Germany, having a mailing address of Dietmar-Hopp-Allee 16, Walldorf, Germany D-69190 residing at Heidelberg, Germany and **Norman MAY**, citizen of the Federal Republic of Germany, having a mailing address of Dietmar-Hopp-Allee 16, Walldorf, Germany D-69190 residing at Karlsruhe, Germany, ASSIGNORS, are the inventors of the invention in **Hierarchical Data Grouping in Main-Memory Relational Databases** for which an application for a Patent of the United States has been filed.

- ☒ which is identified by Jones Day docket no. 14291-229-999 / 161008US01 (CAM: 530198-999229)
- ☒ We hereby authorize and request attorney(s) **Carl A. Kukkonen, III** at Jones Day, to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

and WHEREAS, **SAP SE**, a public company registered in accordance with the corporate law of the European Union, and having an office for the transaction of business at Dietmar-Hopp-Allee 16, Walldorf, Germany D-69190, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 23.11.2016, 2016

Robert Brunel
Robert BRUNEL L.S.

Date 23.11.2016, 2016

Norman May
Witness 1

Norman May
Printed Name

Date 23.11.2016, 2016

Arno Schwarz
Witness 2

Arno Schwarz
Printed Name

Date 23.11.2016, 2016

Norman May
Norman MAY

L.S.

Date 23.11.2016, 2016

Robert Brunel
Witness 1

Robert Brunel
Printed Name

Date 23.11.2016, 2016

Arno Schwarz
Witness 2

Arno Schwarz
Printed Name