504173029 01/11/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4219707

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARTIN MAYER	11/11/2016
ULRICH AUER	11/11/2016
ARNE HARREN	11/11/2016
VOLKER DRIESEN	11/11/2016

RECEIVING PARTY DATA

Name:	SAP SE
Street Address:	DIETMAR-HOPP-ALLEE 16
City:	WALLDORF, D-69190
State/Country:	GERMANY

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15349639

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	2058.B17US1
NAME OF SUBMITTER:	ERIKA WATKINS
SIGNATURE:	/ Erika Watkins /
DATE SIGNED:	01/11/2017

Total Attachments: 7

source=2058B17US1_ASSN#page1.tif

source=2058B17US1_ASSN#page2.tif

source=2058B17US1_ASSN#page3.tif

source=2058B17US1_ASSN#page4.tif

source=2058B17US1_ASSN#page5.tif

source=2058B17US1_ASSN#page6.tif source=2058B17US1_ASSN#page7.tif

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 2058.B17US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: SAP SE Martin Maver, Ulrich Auer, Arne Harren, Volker Driesen Street Address: Dietmar-Hopp-Allee 16 Additional name(s) of conveying party(ies) attached? City: Walldorf, D-69190 []Yes [X]No Country: Germany 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [] Merger [X] Assignment [] Security Agreement [] Change of Name [] Other Execution Date: November 11, 2016, November 11, 2016, November 11, 2016, November 11, 2016 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 15/349,639 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Marc S. Hanish [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 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. 1/9/17 Marc S. Hanish/Reg. No. 42,626 Name of Person Signing Total number of pages including cover sheet: 7 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks

Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Martin Mayer, Ulrich Auer, Arne Harren and Volker Driesen (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on November 11, 2016, which application was assigned US patent application serial number 15/349,639, and which is titled DATABASE OBJECT LIFECYCLE MANAGEMENT.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to SAP SE (the "Assignee"), having a place of business at Dietmar-Hopp-Allee 16, Walldorf D-69190, Germany, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 50400 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment Assignors: Martin N Title: DATABASE Page 3 of 6	Mayer et al. OBJECT LIFECYCLE MANAGEMENT	
Assignor: (Signature):	144,4,2	
Date:	Name: <u>Martin Mayer</u> City/State: <u>Heidelberg, Germany</u>	

Witness:

Signature/Date

Full Name (Printed)

PATENT REEL: 040944 FRAME: 0034

Docket No. 2058.B17US1 Client Ref. No. 160565US01

Assig	iment
4-7	iors: Martin Mayer et al.
l'itle:	DATABASE OBJECT LIFECYCLE MANAGEMENT
Page	4 of 6

Docket No. 2058/B17US1 Client Ref. No. 160565US01

Assignor:	
(Signature):	
Date:	Name: <u>Ulrich Auer</u> City/State: <u>Hockenheim, Germany</u>
Witness:	Signature/Date
	Marin Lain

Full Name (Printed)

Assignment
Assignors: Martin Mayer et al.
Title: DATABASE OBJECT LIFECYCLE MANAGEMENT
Page 5 of 6

Docket No. 2058.B17US1 Client Ref. No. 160565US01

Assignor:

(Signature):

Name: Arne Harren

City/State: Walldorf, Germany

Date:

-cos 6-An-An

Witness:

2016 1/2/

Signature/Date

JONATHAN BREGLER

Full Name (Printed)

PATENT

REEL: 040944 FRAME: 0036

Assigumen	t
Assignors:	Martin Mayer et al.
Title: DAT	ABASE OBJECT LIFECYCLE MANAGEMENT
D C . C	

Docket No. 2058.B17US1 Client Ref. No. 160565US01

Ass	io	n	OF	•	
733	٠6	4 5	.,,	٠.	

(Signature):

Name: Volker Driesen

City/State: Heidelberg, Germany

Date:

11/11/2016

Witness:

and the state of t

2016-11-11

Signature/Date

Full Name (Printed)

PATENT REEL: 040944 FRAME: 0037

RECORDED: 01/11/2017