## 503887928 06/24/2016

# PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

### **CONVEYING PARTY DATA**

| Name            | Execution Date |
|-----------------|----------------|
| GORDON GAUMNITZ | 05/29/2015     |
| ARNAUD LACURIE  | 05/29/2015     |
| INGO MUELLER    | 06/15/2015     |
| JONATHAN DEES   | 05/25/2016     |

### **RECEIVING PARTY DATA**

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|-----------------|-----------------------|
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| City:           | WALLDORF              |
| State/Country:  | GERMANY               |
| Postal Code:    | D-69190               |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14726251 |

## **CORRESPONDENCE DATA**

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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.

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Correspondent Name: MINTZ LEVIN/SAP MINTZ LEVIN COHN FERRIS

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| ATTORNEY DOCKET NUMBER: | 54874-114F01US      |
|-------------------------|---------------------|
| NAME OF SUBMITTER:      | ROBERT T.S. LATTA   |
| SIGNATURE:              | /Robert T.S. Latta/ |
| DATE SIGNED:            | 06/24/2016          |

### **Total Attachments: 5**

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PATENT 503887928 REEL: 039004 FRAME: 0951

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Attorney's Docket No.: 54874-114F01US / 150364US01

## **ASSIGNMENT**

We, GORDON GAUMNITZ, ARNAUD LACURIE, INGO MUELLER and JONATHAN

**DEES,** 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 SE,** with offices located at Dietmar-Hopp-Allee 16, Walldorf, Germany, D-69190 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:

#### AGGREGATING DATABASE ENTRIES BY HASHING

Application No. 14/726,251 <sup>1</sup>, including any subsequently filed utility applications, which claim priority to Application No. 14/726,251 <sup>1</sup>, 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.

<sup>&</sup>lt;sup>1</sup> 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.

Attorney Docker Nov. 54874-114F01US / 150364US03

First Inventor: Gordon Gaumnitz Page 2 of 4

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 asid 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:   | // (Max  | en filmen.<br>Gregoria pela meneralia  |                      |
|---|--|--|----------------------|
|   | Signature of: Gordon                                   | n/Gaummitz   |                      |
| IN WITNESS WHEREOF, I, ZOS                                  | <i>D.M.</i>  |  | hereby declare       |
|   | (Printed Name of Witne                                 | 688)   |                      |
| that I was personally present and did see the a assignment. | bove named person du                                   | ly sign and exec   | ute the              |
| (Signature of Witness)                                      | <del>randa da d</del> | e Paris de la Companya de la Company |                      |
| Date:   |  |  |                      |
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| Date: 79 05 7015  |  |  |                      |

Page 3 of 4

Date: 29/05/2015

Date: 29/05/2015

Signature of: Arnaud Lacurie

IN WITNESS WHEREOF, I, Columbia Rational Lacurie

IN WITNESS WHEREOF, I, Columbia Rational Lacurie

(Signature of Witness)

Date: 29/05/2015

IN WITNESS WHEREOF, I, Columbia Rational Lacurie

(Signature of Witness)

Date: 29/05/2015

IN WITNESS WHEREOF, I, Columbia Rational Lacurie

(Printed Name of Witness)

IN WITNESS WHEREOF, I, Columbia Rational Lacurie

(Printed Name of Witness)

In Witness Whereof, I, Columbia Rational Lacurie

(Printed Name of Witness)

In Witness Whereof, I, Columbia Rational Lacurie

(Printed Name of Witness)

(Signature of Witness)

|  | Attorney Docket No.: 54874-           | 114F01US / 150364US01 |
|--|---------------------------------------|-----------------------|
| First Inventor: Gordon Gaustriuz<br>Page 4 of 4                  | 1                                     | 112                   |
|  | Auge 121                              | / <sub>4</sub>        |
| Date: <u>15, 6, 315</u>  | Signature of: Ingo Mueller            | <u>×</u>              |
|  | ingunius in ingo mucies               |                       |
| in witness whereof, i, <u>I Maw 1</u> 14                         | 1/030/100=                            | ing and a second      |
| IN WITNESS WHEREOF, I, I/******                                  | (Printed Name of Witness)             | hereby declare        |
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| Date: <u>15, CG, 15</u>  |                                       |                       |
| Date:  |                                       |                       |
|  | Signature of: Jonathan Dees           |                       |
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| IN WITNESS WHEREOF, I,   |                                       | , hereby declare      |
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Amoracy Docket No.: \$4874-114F01US / 15036/U-891 Signature of: Ingo Mueller

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| assignment.  |  |
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**PATENT REEL: 039004 FRAME: 0957** 

**RECORDED: 06/24/2016** 

First Inventor Gordon Gasmatta

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