

PATENT ASSIGNMENT COVER SHEET

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|---|---------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ANDREW AUGUSTINE WAJS | 12/08/2015 |
| RECEIVING PARTY DATA | |
| Name: | IRDETO B.V. |
| Street Address: | 105 TAURUS AVENUE |
| City: | HOOFFDORP |
| State/Country: | NETHERLANDS |
| Postal Code: | 2132 LS |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14005223 |
| CORRESPONDENCE DATA | |
| Fax Number: | (202)414-9299 |
| <i>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.</i> | |
| Phone: | 202-414-9200 |
| Email: | ptoipinbox@reedsmith.com |
| Correspondent Name: | MARC S. KAUFMAN, REED SMITH LLP |
| Address Line 1: | P.O. BOX 488 |
| Address Line 4: | PITTSBURGH, PENNSYLVANIA 15230 |
| ATTORNEY DOCKET NUMBER: | 14-30073-US |
| NAME OF SUBMITTER: | MARC S. KAUFMAN |
| SIGNATURE: | /Marc S. Kaufman/ |
| DATE SIGNED: | 08/31/2016 |
| Total Attachments: 2 | |
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DEED OF ASSIGNMENT

PARTIES:

- (1) The "Assignor": **Andrew Augustine WAJS** of 105 Taurus Avenue, LS HOOFFDORP, 2132, The Netherlands
- (2) The "Assignee": **Irdeto B.V.** having an address of 105 Taurus Avenue, LS HOOFFDORP, 2132, The Netherlands

BACKGROUND:

- (a) The Assignor claims to be the inventor, or one of the inventors, of the inventions (hereafter called "the Inventions") described in the specifications accompanying the applications for a patent, details of which are set out in the Schedule hereto (hereinafter called "the Applications");
- (b) The Assignor wishes to confirm the Assignee's ownership of all rights, title, interest and property in the Applications and the Inventions and to transfer to the Assignee any and all of that which may not previously have been passed to the Assignee under the following terms;

OPERATIVE PROVISIONS:

1. The Assignor hereby confirms or assigns the following to the Assignee:
 - i) all of the Assignor's rights, title, interest and property in the Inventions and the Applications, free from all licenses, charges and other encumbrances, with full title guarantee;
 - ii) the right to file further applications to obtain patents in respect of the whole or any part or parts of or improvements to the Inventions throughout the world ("Further Applications") and/or to obtain other forms of protection to the intent that those Further Applications and other forms of protection shall be in the name of and shall vest in the Assignee;
 - iii) the full and exclusive benefit of the Inventions, Applications and Further Applications, and other forms of protection and all rights, privileges and advantages appertaining thereto, together with the right to obtain any extensions and supplementary protection certificates;
 - iv) the right to recover and to bring proceedings to recover damages and/or to obtain other remedies in respect of infringement of the Applications, Further Applications and other forms of protection relating to the Inventions whether committed before or after the date of this Assignment;
 - v) the right to claim priority from the Applications or Further Applications under the terms of the International convention and any treaties;
 - vi) the right to file divisional applications and continuations of the Applications and Further Applications; and
 - vii) the right to make improvements to the Inventions and to apply for and obtain patents or other forms of intellectual property protection in the name of the Assignee in respect of the improvements which shall vest in the Assignee;to the intent that the Inventions, Applications, Further Applications and other forms of protection and all rights, privileges and advantages appertaining thereto shall be in the name of and shall vest in the Assignee TO HOLD the same unto the Assignee absolutely.
2. At the request and cost of the Assignee, the Assignor will execute and sign all such instruments, applications, deeds, documents and do all such acts and things as may be reasonably required by the Assignee to enable the Assignee or its nominee to: (a) enjoy the full and exclusive benefit of the Inventions and the Applications and of the property rights hereby assigned; (b) fully and effectively vest the same in the Assignee; and (c) formally register the Assignee's title in the same at the relevant Patent Office.
3. The Assignor hereby covenants:
 - (i) that the Assignor has not assigned or agreed to assign to any person firm or company or otherwise encumbered the Inventions or any other part of the property and rights hereby assigned;
 - (ii) that the Assignor has not disclosed and will not hereafter disclose the Inventions or any information whatsoever concerning the same to any person firm or company other than the Assignee or as it shall direct or permit; and
 - (iii) that the Assignor will give to the Assignee all information in their possession or in their

power relating to the Inventions and the method of using or employing the same as the Assignee shall require.

4. This Agreement shall be binding upon and shall inure to the benefit of the parties hereto, their respective successors and assigns as well as any subsidiary companies of the parties hereto.
5. The parties will co-operate and consult with one another in good faith, if necessary in the future to carry out the intent of this agreement.
6. This Agreement shall be governed by and construed in accordance with the laws of The Netherlands and the parties for this purpose hereby submit to the exclusive jurisdiction of The Netherlands.

IN WITNESS whereof the parties have executed this document on the date written below.

SCHEDULE A

| COUNTRY | PATENT APPLICATION NUMBER | FILING DATE | IRDETO REFERENCE | AGENT REFERENCE |
|------------------------------|------------------------------|-------------|---------------------|--------------------|
| PCT | PCT/CN2011/000417 | 15-Mar-2011 | 2010_07_005 | P129376WO00 |
| Australia | 2011362519 | 15-Mar-2011 | 2010_07_005 | P129376AU00 |
| Canada | 2830110 | 15-Mar-2011 | 2010_07_005 | P129376CA00 |
| China | 201180070860.7 | 15-Mar-2011 | 2010_07_005 | P129376CN00 |
| Europe | 11860843.9 | 15-Mar-2011 | 2010_07_005 | P129376EP00 |
| India | 8128/DELNP/2013 | 15-Mar-2011 | 2010_07_005 | P129376IN00 |
| Japan | 558282/2013 | 15-Mar-2011 | 2010_07_005 | P129376JP00 |
| Korea | 10-2013-7026418 | 15-Mar-2011 | 2010_07_005 | P129376KR00 |
| The United States of America | 14/005223 | 15-Mar-2011 | 2010_07_005 | P129376US00 |
| South Africa | 2013/07374 | 15-Mar-2011 | 2010_07_005 | P129376ZA00 |
| United Kingdom | 1405706.1 | 31-Mar-2014 | 2013_08_003 | P131705GB00 |
| PCT | PCT/EP2015/057044 | 31-Mar-2015 | 2013_08_003 | P131705WO00 |
| PCT | PCT/EP2014/067841 | 21-Aug-2014 | 2014_04_001 | P133792WO00 |
| PCT | PCT/EP2015/069294 | 21-Aug-2015 | 2014_04_001 | P133792WO01 |
| United Kingdom | 1505553.6 | 31-Mar-2015 | 2014_06_003 | P137904GB00 |
| PCT | PCT/EP2014/070669 | 26-Sep-2014 | 2012_10_009 | P135235WO00 |

EXECUTED AS A DEED by Andrew Augustine WAJS:

DATE: 8 Dec 2015

in the presence of:

Name of Witness: Signature of Witness:

EXECUTED AS A DEED by Irdeto B.V.:

DATE: 8 Dec 2015

in the presence of:

Name of Witness: Signature of Witness: