PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4812919

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IRDETO CANADA CORPORATION	02/24/2016

RECEIVING PARTY DATA

Name:	IRDETO B.V.
Street Address:	105 TAURUS AVENUE
City:	LS HOOFDDORP
State/Country:	NETHERLANDS
Postal Code:	2132

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15519177

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.

Phone: 202-459-9882

Email: Marc.Kaufman@rimonlaw.com, Docketing.Rimonlaw@clarivate.com

Correspondent Name: MARC KAUFMAN

Address Line 1: ONE EMBARCADERO CENTER

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Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

ATTORNEY DOCKET NUMBER:	17-50007-US	
NAME OF SUBMITTER:	MARC KAUFMAN	
SIGNATURE:	/Marc Kaufman, Reg. No. 35,212/	
DATE SIGNED:	02/07/2018	

Total Attachments: 3

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PATENT 504766191 REEL: 044849 FRAME: 0318

CONFIRMATORY ASSIGNMENT

PARTIES:

(1) The "Assignor": Irdeto Canada Corporation having an address of 2500 Solandt Road,

Ottawa, Ontario, K2K 3G5, Canada

and

(2) The "Assignee": Irdeto B.V. having an address of 105 Taurus Avenue, LS Hoofddorp, 2132,

The Netherlands

BACKGROUND:

(a) A Contract Development Services Agreement dated 1 April 2013 (hereafter called "the Agreement") exists between the Assignor and the Assignee;

(b) By virtue of the Agreement, the Assignor understands that all rights in the inventions (hereafter called "the Inventions") described in the specifications accompanying the patent applications and patents, details of which are set out in the Schedule hereto (hereinafter called 'the Applications and Patents"), belong to the Assignee;

(c) The Assignor wishes to confirm the Assignee's ownership of all rights, title, interest and property in the Inventions and the Applications and Patents 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:

all of the Assignor's rights, title, interest and property in the Inventions and the Applications and Patents, free from all licenses, charges and other encumbrances, with full title guarantee;

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;

the full and exclusive benefit of the Inventions, Applications and Patents, 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 and Patents. 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 and Patents 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 Patents 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 and Patents, 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 Patents 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.

PATENT REEL: 044849 FRAME: 0319 3. The Assignor hereby covenants:

- that they have 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;
- that they have 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
- that they 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.

EXECUTED by Irdeto Canada Corporation Signature: Name of Signatory: PIERE FARVEL.	DATE: F.b. 24 2016 Position of Signatory: FLN ANGUAL GONDALOGE
in the presence of: Name of Witness:	Signature of Witness: Feb. 24, 2016
Signature: Name of Signatory: And Management Signature:	DATE: 19 Johnsony 2016 Position of Signatory: 97.9
in the presence of: Name of Witness: ACTIVETICS: LECOLS	Signature of Witness:

SCHEDULE A

COUNTRY	OFFICIAL NUMBER	FILING DATE	IRDETO REFERENCE	AGENT REFERENCE
PCT	PCT/EP2015/056927	30-Mar-2015	2014_10_008	P137976WO00
United Kingdom	1418815.5	22-Oct-2014	2014_10_002	P137162GB00
PCT	PCT/EP2015/073872	15-Oct-2015	2014_10_002	P137162WO00
PCT	PCT/EP2014/069806	17-Sep-2014	2014_04_004	P133856WO00
PCT	PCT/EP2014/069281	10-Sep-2014	2014_06_004	P133855WO00
PCT	PCT/EP2014/056422	31-Mar-2014	2014_01_004	P131827WO00
PCT	PCT/EP2014/056335	28-Mar-2014	2014 02 001	P131826WO00
United Kingdom	1405754.1	31-Mar-2014	2012_11_004	P131760GB00
PCT	PCT/EP2015/056890	30-Mar-2015	2012_11_004	P131760WO00
United Kingdom	1405706.1	31-Mar-2014	2013_08_003	P131705GB00
PCT	PCT/EP2015/057044	31-Mar-2015	2013_08_003	P131705WO00
PCT	PCT/EP2014/056416	31-Mar-2014	2013_03_003	P131427WO00
United Kingdom	1405755.8	31-Mar-2014	2013_09_001	P130444GB00
PCT	PCT/EP2015/057009	31-Mar-2015	2013_09_001	P130444WO00
PCT	PCT/EP2014/056421	31-Mar-2014	2013_08_002	P129561WO00

PATENT REEL: 044849 FRAME: 0321

RECORDED: 02/07/2018