

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4160183

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YUAN XIANG GU	06/26/2015
HAROLD JOHNSON	11/25/2015
YASER EFTEKHARI	06/26/2015
BAHMAN SISTANY	06/26/2015
ROBERT DURAND	06/26/2015
RECEIVING PARTY DATA	
Name:	IRDETO CANADA CORPORATION
Street Address:	2500 SOLANDT ROAD
City:	OTTAWA
State/Country:	CANADA
Postal Code:	K2K 3G5
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15300538
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:	16-30068-US
NAME OF SUBMITTER:	MARC S. KAUFMAN
SIGNATURE:	/Marc S. Kaufman/
DATE SIGNED:	11/29/2016
Total Attachments: 10	
source=16-30086-US - Assignment (Executed)#page1.tif	

source=16-30086-US - Assignment (Executed)#page2.tif
source=16-30086-US - Assignment (Executed)#page3.tif
source=16-30086-US - Assignment (Executed)#page4.tif
source=16-30086-US - Assignment (Executed)#page5.tif
source=16-30086-US - Assignment (Executed)#page6.tif
source=16-30086-US - Assignment (Executed)#page7.tif
source=16-30086-US - Assignment (Executed)#page8.tif
source=16-30086-US - Assignment (Executed)#page9.tif
source=16-30086-US - Assignment (Executed)#page10.tif

DEED OF ASSIGNMENT

PARTIES:

- (1) The "Assignor": Yuan Xiang GU of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada
- (2) The "Assignee": Irdeto Canada Corporation having an address of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada

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

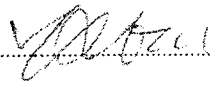
Assignee shall require.

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 Canada and the parties for this purpose hereby submit to the exclusive jurisdiction of Canada.

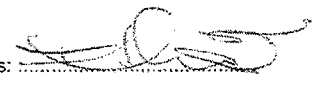
IN WITNESS whereof the parties have executed this document on the date written below.

SCHEDULE A

COUNTRY	PATENT APPLICATION NUMBER	FILING DATE	IRDETO REFERENCE	AGENT REFERENCE
United Kingdom	1405755.8	31-Mar-2014	2013 09 001	P130444GB00
PCT	PCT/EP2015/057009	31-Mar-2015	2013 09 001	P130444WO00
United Kingdom	1405706.1	31-Mar-2014	2013 08 003	P131705GB00
PCT	PCT/EP2015/057044	31-Mar-2015	2013 08 003	P131705WO00
United Kingdom	1405754.1	31-Mar-2014	2012 11 004	P131760GB00
PCT	PCT/EP2015/056890	30-Mar-2015	2012 11 004	P131760WO01
United Kingdom	1505553.6	31-Mar-2015	2014 06 003	P137904GB00

EXECUTED AS A DEED by Yuan Xiang GU:  DATE: June 16, 2015

in the presence of:

Name of Witness: Fiona Houston Signature of Witness: 

EXECUTED AS A DEED by Irdeto Canada Corporation: DATE:

in the presence of:

Name of Witness: Signature of Witness:

DEED OF ASSIGNMENT

PARTIES:

- (1) The "Assignor": **Harold JOHNSON** of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada
- (2) The "Assignee": **Irdeto Canada Corporation** having an address of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada

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 Canada and the parties for this purpose hereby submit to the exclusive jurisdiction of Canada.

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
United Kingdom	1405755.8	31-Mar-2014	2013 09 001	P130444GB00
PCT	PCT/EP2015/057009	31-Mar-2015	2013 09 001	P130444WO00
United Kingdom	1405706.1	31-Mar-2014	2013 08 003	P131705GB00
PCT	PCT/EP2015/057044	31-Mar-2015	2013 08 003	P131705WO00
United Kingdom	1405754.1	31-Mar-2014	2012 11 004	P131760GB00
PCT	PCT/EP2015/056890	30-Mar-2015	2012 11 004	P131760WO01
United Kingdom	1505434.9	30-Mar-2015	2014 10 005	P137978GB00

EXECUTED AS A DEED by Harold JOHNSON: _____

DATE: Nov 25, 2015

in the presence of:

Name of Witness: _____

Fiona Houston

Signature of Witness: _____



EXECUTED AS A DEED by Irdeto Canada Corporation: _____

DATE: Nov 25/15

in the presence of:

Name of Witness: _____

Fiona Houston

Signature of Witness: _____



DEED OF ASSIGNMENT

PARTIES:

- (1) The "Assignor": Yaser EFTEKHARI of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada
- (2) The "Assignee": Irdeto Canada Corporation having an address of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada

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 Canada and the parties for this purpose hereby submit to the exclusive jurisdiction of Canada.

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
United Kingdom	1405755.8	31-Mar-2014	2013 09 001	P130444GB00
PCT	PCT/EP2015/057009	31-Mar-2015	2013 09 001	P130444WO00

EXECUTED AS A DEED by Yaser EFTEKHARI: DATE: June 26, 2015

in the presence of:

Name of Witness: FANA HOUSTON Signature of Witness:

EXECUTED AS A DEED by Irdeto Canada Corporation: DATE:

in the presence of:

Name of Witness: Signature of Witness:

DEED OF ASSIGNMENT

PARTIES:

- (1) The "Assignor": Bahman SISTANY of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada
- (2) The "Assignee": Irdeto Canada Corporation having an address of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada

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

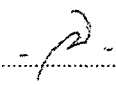
Assignee shall require.

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 Canada and the parties for this purpose hereby submit to the exclusive jurisdiction of Canada.

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

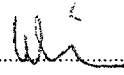
SCHEDULE A

COUNTRY	PATENT APPLICATION NUMBER	FILING DATE	IRDETO REFERENCE	AGENT REFERENCE
United Kingdom	1405755.8	31-Mar-2014	2013_09_001	P130444GB00
PCT	PCT/EP2015/057009	31-Mar-2015	2013_09_001	P130444WO00
PCT	PCT/EP2014/056422	31-Mar-2014	2014_01_004	P131827WO00

EXECUTED AS A DEED by Bahman SISTANY: 

DATE: 26/6/2015

in the presence of:

Name of Witness: W. Mooy Signature of Witness: 

EXECUTED AS A DEED by Irdeto Canada Corporation: DATE:

in the presence of:

Name of Witness: Signature of Witness:

DEED OF ASSIGNMENT

PARTIES:

- (1) The "Assignor": Robert DURAND of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada
- (2) The "Assignee": Irdeto Canada Corporation having an address of 2500 Solandt Road, Ottawa, Ontario, K2K 3G5, Canada

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

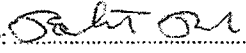
Assignee shall require.

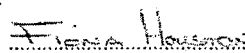
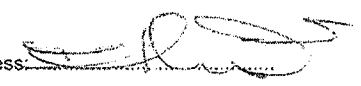
- 4. This Agreement shall be binding upon and shall inure to the benefit of the parties hereto, their respective successors and assigns as well as any subsidiary companies of the parties hereto.
- 5. The parties will co-operate and consult with one another in good faith, if necessary in the future to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

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
United Kingdom	1405755.8	31-Mar-2014	2013 09 001	P130444GB00
PCT	PCT/EP2015/057009	31-Mar-2015	2013 09 001	P130444WO00

EXECUTED AS A DEED by Robert DURAND:  DATE: 26 June 2015

in the presence of:
Name of Witness:  Signature of Witness: 

EXECUTED AS A DEED by Irdeto Canada Corporation: DATE:

in the presence of:
Name of Witness: Signature of Witness: