

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3549296

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|---|--|-----------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                           |                       |
| <b>NATURE OF CONVEYANCE:</b>  | INTELLECTUAL PROPERTY TRANSFER AGREEMENT |                       |
| <b>CONVEYING PARTY DATA</b>   |  |                       |
|   | <b>Name</b>                              | <b>Execution Date</b> |
|   | THORN SECURITY LTD.                      | 07/29/2015            |
| <b>RECEIVING PARTY DATA</b>   |  |                       |
| <b>Name:</b>  | TYCO FIRE & SECURITY GMBH                |                       |
| <b>Street Address:</b>  | VICTOR VON BRUNS-STRASSE 21              |                       |
| <b>City:</b>  | CH-8212 NEUHAUSEN AM RHEINFALL           |                       |
| <b>State/Country:</b>   | SWITZERLAND                              |                       |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |                       |
|   | <b>Property Type</b>                     | <b>Number</b>         |
|   | <b>Application Number:</b>               | 13578522              |
| <b>CORRESPONDENCE DATA</b>  |  |                       |
| <b>Fax Number:</b>  |  |                       |
| <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> |  |                       |
| <b>Phone:</b>   | 978-577-4332                             |                       |
| <b>Email:</b>   | eleahy@tycoint.com                       |                       |
| <b>Correspondent Name:</b>  | TYCO                                     |                       |
| <b>Address Line 1:</b>  | 6 TECHNOLOGY PARK DRIVE                  |                       |
| <b>Address Line 4:</b>  | WESTFORD, MASSACHUSETTS 01886            |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>  | R-FD-00015                               |                       |
| <b>NAME OF SUBMITTER:</b>   | GERALD M. BLUHM                          |                       |
| <b>SIGNATURE:</b>   | /Gerald M. Bluhm/                        |                       |
| <b>DATE SIGNED:</b>   | 09/30/2015                               |                       |
| <b>Total Attachments: 26</b>  |  |                       |
| source=Pinnacle IP Transfer Agreement - Thorn Security Ltd fully signed#page1.tif   |  |                       |
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## INTELLECTUAL PROPERTY TRANSFER AGREEMENT

This INTELLECTUAL PROPERTY TRANSFER AGREEMENT ("Agreement") is made and entered into and effective as of 31 July 2015 ("Effective Date") by

THORN Security Ltd., a United Kingdom Corporation, whose registered seat is at  
Dunhams Lane, Letchworth Garden City  
Hertfordshire SG6 1BD  
United Kingdom

and a principal place of business at  
Security House, Hanworth Road, Sunbury-on-Thames  
TW16 5DB  
United Kingdom

("Assignor")

and

Tyco Fire & Security GmbH, a Swiss Corporation, a Swiss limited liability company registered under the number CH-290.3.017.193-9, whose registered seat is at  
Victor von Bruns-Strasse 21  
CH-8212 Neuhausen am Rheinfall  
Switzerland

("Assignee")

**WHEREAS** the Assignor and the Assignee are both 100% direct or indirect subsidiaries of Tyco International plc, an Irish company, whose registered seat is at Unit 1202, Building 1000, City Gate, Mahon, Cork, Ireland;

**WHEREAS**, Assignor wishes to sell, transfer and assign certain intellectual property assets owned by Assignor to Assignee, and Assignee wishes to accept such assignment;

**NOW THEREFORE**, in consideration of the mutual promises and covenants contained herein, the Parties, intending to be legally bound, agree as follows:

### 1. DEFINITIONS

- 1.1. "Business" means the creation, manufacture and sale of PRODUCTS as defined in Exhibit C.

- 1.2. "Affiliate" means entity which directly or indirectly controls, is controlled by, or is under common control with a Party.
- 1.3. "Party" or "Parties" mean a party or the parties to this Agreement.
- 1.4. "Confidential Information" shall mean information which is either
- a) communicated in writing or other tangible form and marked confidential, or
  - b) communicated in any other manner, provided its confidential nature is confirmed within 30 days after the disclosure by the disclosing Party in a letter summarizing the information considered confidential.
- However, information shall cease to qualify as Confidential Information once it becomes publicly available, is obtained by the receiving Party from another source without a duty of confidentiality or is independently developed or ascertained by the receiving Party.
- 1.5. "Assigned Intellectual Property Rights" means all right, title and interest in Assigned Patents (as defined below), Assigned Trademarks (as defined below) and Other Assigned Intellectual Property (as defined below).
- 1.6. "Assigned Patents" means patents, utility models, inventor certificates, design patents, and such other forms of protection of industrial property as may be provided by any country, or applications for any of these, on a worldwide basis, including, without limitation, all counterparts, extensions, divisionals, continuations, continuations-in-part, renewals, reissues, substitutes, reexaminations, provisional applications and the like thereof, and the right to claim the benefit of any dates of priority relating thereto under any applicable laws, as well as any rights in patentable inventions, even if not yet filed or registered; all to the extent such Assigned Patents relate to the Business, and are owned or controlled by Assignor. Specifically, but without any limitation, the Term "Assigned Patents" covers the patents and patent applications listed in Exhibit A attached hereto.
- 1.7. "Assigned Trademarks" means trademarks, service marks, trade names, trade dress, labels, logos, names, domain names and slogans, whether registered or unregistered, or applications for any of these, on a worldwide basis, and the right to claim the benefit of any dates of priority relating thereto under any applicable laws as well as any associated goodwill incident thereto, including the right to use such Assigned Trademarks in regard to products and services in classes not yet utilized; all to the extent such Assigned Trademarks relate to the Business, and are owned or controlled by Assignor. Specifically, but without any limitation, the Term "Assigned Trademarks" covers the trademarks and applications for registration of trademarks listed in Exhibit B attached hereto.
- 1.8. "Other Assigned Intellectual Property" means all intellectual property not within the scope of the definitions of Assigned Patents or Assigned Trademarks above, including, without limitation, copyrights, works of authorship, know-how, trade secrets, rights in

confidential or non-public information, software (in source code and object code), data base rights, information and technology, to the extent related to the Business or associated with any products, equipment or processes related to the Business, and owned or controlled by Assignor.

- 1.9. "Territory" means all nations worldwide.

## **2. SALE AND PURCHASE**

- 2.1. Subject to the terms of this Agreement, Assignor hereby sells and transfers the Assigned Intellectual Property Rights in the Territory to Assignee to the extent such Intellectual Property Rights are owned or controlled by Assignor, and agrees to execute the assignment in Exhibits A and Exhibit B as of the Effective Date; and Assignee hereby accepts such transfer as of the Effective Date. To the extent such Assigned Intellectual Property Rights are registered under a different name but still owned or controlled by Assignor, Assignor shall take all actions, and sign all documents, required to register such Intellectual Property Rights properly in the name of Assignee. As between the Parties, the transfer of the Assigned Intellectual Property Rights shall be deemed to have economic effect at the Effective Date. The Assigned Intellectual Property shall be sold together with all rights attaching to them at the Effective Date.
- 2.2. The Parties acknowledge and agree that the foregoing transfer and any subsequent assignment of the Assigned Intellectual Property Rights is subject to any pre-existing licenses of the same, as granted to other parties.
- 2.3. In consideration for the transfer and assignment of the Assigned Intellectual Property Rights, Assignee shall pay to Assignor a purchase price of US\$37 million which amount is based on a valuation prepared in accordance with arm's length principles.
- 2.4. The Consideration for the Assigned Intellectual Property Rights shall be adjusted following completion as follows:
- a) if the valuation of the Assigned Intellectual Property Rights as prepared by a Third Party Firm approved by both Parties ("Valuation") exceeds the initially agreed Consideration amount, the Consideration shall be increased by the amount by which the Valuation exceeds that amount; and
  - b) if the Valuation is less than the initially agreed Consideration, the Consideration shall be reduced by the amount by which the Valuation is less than that amount.

2.5 The Consideration for the Assigned Intellectual Property Rights shall be adjusted following completion as follows:

- a) if the final book value of the Assigned Intellectual Property Rights as per the effective time, exceeds the initially agreed Consideration amount, the Consideration shall be increased by the amount by which the final book value exceeds that amount
- b) if the final book value of the Assigned Intellectual Property Rights as per the effective time, is less than the initially agreed Consideration amount, the Consideration shall be reduced by the amount by which the final book value is less than that amount

### **3. COMPLETION**

- 3.1. Completion of the sale and purchase of the Assigned Intellectual Property Rights shall take place at the Effective Date by executing the assignments in Exhibits A and B.
- 3.2. Any assignment pursuant to this Agreement shall not constitute an assignment or attempted assignment of any agreement (or part thereof) if such attempted assignment, without the consent of the other party thereto, would constitute a breach thereof or would in any way adversely affect the rights of Assignor or Assignee, unless and until such consent has been granted. Assignor and Assignee covenant and agree that in any such case the beneficial interest in and to any such agreements (or the relevant part thereof) shall pass hereby to Assignee. Assignor further covenants and agrees (i) to hold and hereby declare that they hold any and all such agreements (or the relevant part thereof) on trust for the benefit of Assignee, its successors and assignees, (ii) to obtain and secure all consents that may be necessary to effect a full and valid transfer or transfers of the same, (iii) to make or complete such transfer or transfers as soon as reasonably possible, and (iv) to cooperate with Assignee in any assignment or other reasonable arrangement designed to provide for Assignee the benefits of and under any such agreement.
- 3.3. The Assignor shall, until the Assigned Intellectual Property Rights is legally recorded in the name of the Assignee to the extent this is required, hold the Assigned Intellectual Property Rights and any benefit from them arising after the Effective Date on trust for the Assignee.

- 3.4. Assignor will provide adequate and current written records of all Assigned Intellectual Property Rights to the Assignee. Assignor shall communicate properly and disclose to Assignee, in such form as Assignee may reasonably request, all details, data, and other information pertaining to the Assigned Intellectual Property Rights. Assignor will promptly deliver to Assignee, all documents and other tangible media (including, without limitation, all originals, copies, reproductions, digests, abstracts, summaries, analyses, notes, notebooks, drawings, manuals, memoranda, records, reports, plans, specifications, devices, formulas, storage media, including software, and computer printouts) in Assignor's actual or constructive possession or control that contain, reflect, disclose or otherwise relate to any Assigned Intellectual Property Rights.

#### **4. REPRESENTATIONS AND WARRANTIES**

- 4.1. Each Party hereby represents and warrants to the other Party that it is a duly organized and validly existing company under the laws of its jurisdiction and has the full right, power, and authority to enter into the transactions contemplated in this Agreement.
- 4.2. Each Party hereto represents and warrants to the other Party that the execution, delivery and performance of this Agreement by such party have been duly authorized by all necessary corporate actions on the part of such Party.
- 4.3. Assignor hereby represents and warrants to the Assignee that it is the sole and exclusive owner of all right, title and interest in the Assigned Intellectual Property Rights.
- 4.4. EXCEPT AS EXPRESSLY PROVIDED OTHERWISE IN THIS AGREEMENT AND TO THE FULLEST EXTENT PERMITTED BY LAW, ASSIGNOR HEREBY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE ASSIGNED INTELLECTUAL PROPERTY RIGHTS, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT, AND THE PARTIES AGREE THAT THE ASSIGNED INTELLECTUAL PROPERTY RIGHTS ARE BEING TRANSFERRED "AS IS."

4.5. Each Party:

- a) acknowledges that in agreeing to enter into this Agreement it has not relied on any express or implied representation, warranty, collateral contract or other assurance (except those set out in this agreement) made by or on behalf of the other Party at any time before the signature of this Agreement;
- b) waives all rights and remedies which, but for this sub-clause, might otherwise be available to it in respect of any such express or implied representation, warranty, collateral contract or other assurance.

4.6. Nothing in this clause limits or excludes any liability for fraud.

**5. CONFIDENTIAL INFORMATION**

5.1. Each Party may use Confidential Information of the other Party exclusively for the purpose of exercising its rights and fulfilling its obligations under this Agreement.

5.2. A Party receiving Confidential Information shall use the same degree of care, but in any case no less than a reasonable degree of care, to prevent unauthorized use, dissemination or publication thereof, as it uses to protect its own confidential information of a similar nature, except in case of disclosure required by operation of law or judicial action.

5.3. However, either Party hereunder may communicate Confidential Information of the other Party in confidence to its Affiliates. In addition, any Party may communicate Confidential Information to suppliers or subcontractors, provided such suppliers or subcontractors have agreed to confidentiality obligations at least as protective as those set forth herein.

5.4. The obligations under this Section shall be limited to a period of 3 (three) years from receipt of any particular item of Confidential Information from the disclosing Party.



## **6. FURTHER ASSURANCE**

- 6.1. Assignor covenants that it will from time to time, at its own cost and upon the reasonable advance request of Assignee, execute and deliver any and all documents and do any and all acts that may be reasonably necessary to enable Assignee to protect Assignee's rights in the Assigned Intellectual Property Rights and that it will cooperate with Assignee in every reasonable way required in order to vest in the Assignee ownership of any of the Assigned Intellectual Property Rights or as otherwise may be necessary to carry out the intent of this Agreement.
- 6.2. The Assignor shall, without any cost to the Assignee, take all necessary steps to obtain all necessary government approvals, if any, for the transfer of the Assigned Intellectual Property Rights.
- 6.3. The Assignor hereby irrevocably appoints the Assignee as its attorney in its name to execute any document and do any act or thing which may be necessary to fulfill its obligations under this Agreement.

## **7. GENERAL PROVISIONS**

- 7.1. This Agreement may be executed in counterparts, and each counterpart shall constitute an original instrument, but all such separate counterparts shall constitute only one and the same instrument.
- 7.2. Each of the Parties hereto shall pay its own expenses and costs incurred or to be incurred in negotiating, closing and executing the transactions contemplated by this Agreement. The Assignee shall be responsible for any transactional taxes including stamp duties and any applicable fees payable as a result of recording the transfer of the Assigned Intellectual Property Rights.
- 7.3. This Agreement does not confer rights on any person other than the Parties to this Agreement and their successors and assignees.
- 7.4. This Agreement contains all terms which the Parties have agreed in relation to the subject matter of this Agreement, and supersedes any prior written or oral agreements, representations or understandings between the Parties in relation to such matter. Except as required by statute, no terms shall be implied (whether by custom, usage or otherwise)

into this Agreement.

- 7.5. Any modification to this Agreement, including this Section, must be made in writing and duly signed by the Party against whom such modification is sought to be enforced.
- 7.6. In the event any one or more of the provisions contained in this Agreement should be held invalid, illegal or unenforceable in any respect under the law of any jurisdiction, the validity, legality and enforceability of the remaining provisions under the law of such jurisdiction, and the validity, legality and enforceability of such and any other provisions under the law of any other jurisdiction, shall not in any way be affected or impaired thereby. If the performance of any part of this Agreement, or of any obligation under this Agreement, by either Party is prevented, restricted, interfered with or delayed by reason of any cause beyond the reasonable control of the Party liable to perform, unless conclusive evidence to the contrary is provided, the Party so affected shall, on giving written notice to the other Party, be excused from such performance to the extent of such prevention, restriction or delay; provided that the affected Party shall use its reasonable best efforts to avoid or remove such causes of nonperformance and shall continue performance with the utmost dispatch whenever such causes are removed. When such circumstances arise, the Parties shall discuss what, if any, modification of the terms of this Agreement may be required in order to arrive at an equitable solution.
- 7.7. Unless otherwise agreed, all notices, instructions and other communications to be given to a Party under this Agreement shall be given to the electronic mail address (with a receipt confirmation by electronic mail) or facsimile number (confirmed if requested) and to the individual or department nominated by the relevant Party and notified to the other Party from time to time. Unless otherwise specified, any notice instruction or other communication given in accordance with this clause shall be effective upon receipt.
- 7.8. This Agreement, and any non-contractual obligations arising out of or in connection with this Agreement, shall be governed by and construed in accordance with Swiss law excluding its conflict of law rules.
- 7.9. Any dispute, controversy or claim arising out of or in connection with this Agreement, (and subsequent amendments thereof) including a dispute, claim or controversy relating to any non-contractual obligations arising out of or in connection with this Agreement, shall be exclusively referred to and finally determined by the ordinary courts in Schaffhausen / Switzerland and no other courts shall have any jurisdiction in this regard.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized officers or representatives as of the Effective Date.

[LEFT BLANK INTENTIONALLY]

ASSIGNOR:

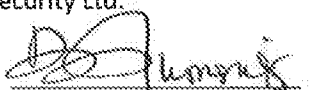
Thorn Security Ltd.

By:

Name:

Title:

Date:



A.B. Althaus

Director

29/07/15

ASSIGNEE:

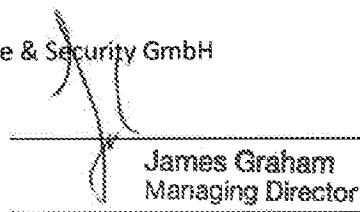
Tyco Fire & Security GmbH

By:

Name:

Title:

Date:

  
James Graham  
Managing Director

20 JUL 2015

**EXHIBIT A**  
**ASSIGNMENT OF PATENT RIGHTS**

Thorn Security Ltd., a United Kingdom company with a registered address at Dunhams Lane, Letchworth Garden City, Hertfordshire SG6 1BD and a place of business at Security House, The Summit, Hanworth Road, Sunbury-on-Thames, TW16 5DB, United Kingdom ("Assignor"), hereby sells, assigns and transfers all of its right, title and interest in the attached patents and patent applications, including all rights of priority and continuation, divisional, reissue, reexamination, renewal, extensions, substitute, and other filings in any country, and including the rights to recover all damages for infringements including damages by reason of past, present, or future infringement or any other violation of patent or patent application rights and the rights to enforce them in relation to infringements occurring before or after the effective date of this assignment, in any country and in any court, and including the right to bring, make, oppose, defend, appeal proceedings, claims or actions in any court anywhere in the world and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership of any of the attached patents and patent applications (including without limitation all divisional and other filings in any country) whether occurring before, on or after the effective date of this assignment, in consideration of One Dollar (\$1.00), and other good and valuable compensation, the receipt of which is hereby acknowledged, to Tyco Fire & Security GmbH, a Swiss limited liability company registered under the number CH-290.3.017.193-9, whose registered seat is at Victor von Bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Switzerland ("Assignee") and hereby authorizes Assignee to record or have recorded the assignment/transfer of such rights with the relevant patent offices and authorities, including the change of ownership.

**THORN SECURITY LTD.**

Date:

29/07/15

Represented by:

[Signature]

Name:

A.B. ALPHONSUS

Title:

DIRECTOR

**TYCO FIRE & SECURITY GMBH**

Date:

**20 JUL 2015**

Represented by:

[Signature]

Name:

James Graham  
Managing Director

Title:

\_\_\_\_\_

Date:

\_\_\_\_\_

Represented by:

\_\_\_\_\_

Name:

\_\_\_\_\_

Title:

\_\_\_\_\_

**ASSIGNED PATENTS AND PATENT APPLICATIONS:**

| Case Number | Official Title  | Sub-Case | Country Name              | Business Unit | Status  | Application #     | Filing Date | Patent # | Issue Date  | Expiration Date |
|-------------|---|----------|---------------------------|---------------|---------|-------------------|-------------|----------|-------------|-----------------|
| 16005:B     | DATA REGENERATION IN ASYNCHRONOUS NETWORK COMMUNICATION | UTL      | United Kingdom            | THORNSE       | Granted | 9605960.2         | 29-Apr-1996 | 2300336  | 14-Oct-1999 | 29-Apr-2016     |
| 16165:B     | IMPROVED FIRE ALARM DISPLAY                             | UTL      | Australia                 | THORNSE       | Granted | 68044/90          | 14-Dec-1990 | 643476   | 18-Nov-1993 | 14-Dec-2010     |
| F-14001:B   | DETECTOR  | DES      | United Kingdom            | THORNSE       | Granted | 2048958           | 21-Jul-1995 | 2048958  | 29-Nov-1995 | 21-Jul-2020     |
| F-14003:B   | LASER TESTING OF FIRE DETECTOR                          | EPP      | Switzerland               | THORNSE       | Granted | 02726997.6        | 08-Jan-2002 | 1950235  | 15-Dec-2004 | 08-Jan-2022     |
| F-14003:B   | LASER TESTING OF FIRE DETECTOR                          | EPP      | Germany                   | THORNSE       | Granted | 02726997.6        | 08-Jan-2002 | 60202258 | 15-Dec-2005 | 08-Jan-2022     |
| F-14003:B   | LASER TESTING OF FIRE DETECTOR                          | EPPI     | United Kingdom            | THORNSE       | Granted | 02726997.6        | 08-Jan-2002 | 1850235  | 15-Dec-2004 | 08-Jan-2022     |
| F-14003:B   | LASER TESTING OF FIRE DETECTOR                          | PCT      | United States of America  | THORNSE       | Granted | 10/250939         | 22-Oct-2003 | 7106187  | 12-Sep-2006 | 28-Aug-2022     |
| F-14004:B   | FIRE DETECTOR IDENTIFICATION                            | EPC1     | United Kingdom            | THORNSE       | Granted | 95925845.8        | 26-Jul-1996 | 0800694  | 24-May-2000 | 26-Jul-2016     |
| F-14006:B   | DETECTING THE PRESENCE OF A FIRE                        | UTL      | United States of America  | THORNSE       | Granted | 08/298307         | 01-Sep-1994 | 5612337  | 18-Mar-1997 | 01-Sep-2014     |
| F-14009:B   | AMPLIFICATION CIRCUITS                                  | UTL      | Australia                 | THORNSE       | Granted | 18378/99          | 03-Mar-1999 | 758884   | 03-Mar-1999 | 03-Mar-2019     |
| F-14009:B   | AMPLIFICATION CIRCUITS                                  | UTL      | United Kingdom            | THORNSE       | Granted | 9804514.9         | 03-Mar-1998 | 7395042  | 16-Oct-2001 | 03-Mar-2018     |
| F-14009:B   | AMPLIFICATION CIRCUITS                                  | UTL      | United States of America  | THORNSE       | Granted | 09/261238         | 03-Mar-1999 | 6188278  | 13-Feb-2001 | 03-Mar-2019     |
| F-14010:B   | A DETECTOR  | UTL      | United Kingdom            | THORNSE       | Granted | 9906197.0         | 17-Mar-1999 | 2395489  | 27-Feb-2002 | 17-Mar-2019     |
| F-14010:B   | A DETECTOR  | UTL      | United States of America  | THORNSE       | Granted | 09/271377         | 19-Mar-1999 | 6255651  | 03-Jul-2001 | 19-Mar-2019     |
| F-FD-00084  | DIRECTIONALLY INTELLIGENT FIREFIGHTING SYSTEM           |          | United States of America  | THORNSE       | Pending | 61/916817         | 17-Dec-2013 |          |             | 17-Dec-2014     |
| F-FD-00084  | DIRECTIONALLY INTELLIGENT FIREFIGHTING SYSTEM           |          | Patent Cooperation Treaty | THORNSE       | Pending | PCT/182014/066987 | 17-Dec-2014 |          |             |                 |
| F-FD-00084  | DIRECTIONALLY INTELLIGENT FIREFIGHTING SYSTEM           |          | Patent Cooperation Treaty | THORNSE       | Pending | PCT/182014/066988 | 17-Dec-2014 |          |             |                 |

|            |  |     |                            |         |         |                   |             |                       |             |             |
|------------|--|-----|----------------------------|---------|---------|-------------------|-------------|-----------------------|-------------|-------------|
| F-PD-00084 | DIRECTIONALLY INTELLIGENT FIREFIGHTING SYSTEM          |     | Patent Cooperation Treaty  | THORNSE | Pending | PCT/IB2014/068889 | 17-Dec-2014 |                       |             |             |
| F-TP-00019 | TESTING A FIRE DETECTOR SENSOR                         | PCT | Australia                  | THORNSE | Granted | 2005239104        | 29-Apr-2005 | 2005239104            | 08-Jul-2009 | 29-Apr-2025 |
| F-TP-00019 | TESTING A FIRE DETECTOR SENSOR                         | EPP | Switzerland                | THORNSE | Granted | 05737836.6        | 29-Apr-2005 | 1743308               | 24-Jun-2009 | 29-Apr-2025 |
| F-TP-00019 | TESTING A FIRE DETECTOR SENSOR                         | EPP | Germany                    | THORNSE | Granted | 05737836.6        | 29-Apr-2005 | 60200501<br>5098.6-08 | 24-Jun-2009 | 29-Apr-2025 |
| F-TP-00019 | TESTING A FIRE DETECTOR SENSOR                         | PCT | European Patent Convention | THORNSE | Granted | 05737836.6        | 29-Apr-2005 | 1743308               | 24-Jun-2009 | 29-Apr-2025 |
| F-TP-00019 | TESTING A FIRE DETECTOR SENSOR                         | EPP | France                     | THORNSE | Granted | 05737836.6        | 29-Apr-2005 | 1743308               | 24-Jun-2009 | 29-Apr-2025 |
| F-TP-00019 | TESTING A FIRE DETECTOR SENSOR                         | EPP | United Kingdom             | THORNSE | Granted | 05737836.6        | 29-Apr-2005 | 1743308               | 24-Jun-2009 | 29-Apr-2025 |
| F-TP-00019 | TESTING A FIRE DETECTOR SENSOR                         | PCT | United States of America   | THORNSE | Granted | 11/587461         | 25-Oct-2006 | 7679154               | 27-Oct-2009 | 17-May-2026 |
| F-TP-00029 | AMPLIFIER FOR MULTI-USE OF SINGLE ENVIRONMENTAL SENSOR | PCT | Switzerland                | THORNSE | Granted | 06702888.6        | 18-Jan-2006 | 1867039               | 31-Mar-2010 | 18-Jan-2026 |
| F-TP-00029 | AMPLIFIER FOR MULTI-USE OF SINGLE ENVIRONMENTAL SENSOR | PCT | Germany                    | THORNSE | Granted | 06702888.6        | 18-Jan-2006 | 1867039               | 31-Mar-2010 | 18-Jan-2026 |
| F-TP-00029 | AMPLIFIER FOR MULTI-USE OF SINGLE ENVIRONMENTAL SENSOR | PCT | European Patent Convention | THORNSE | Granted | 06702888.6        | 18-Jan-2006 | 1867039               | 31-Mar-2010 | 06-Apr-2025 |
| F-TP-00029 | AMPLIFIER FOR MULTI-USE OF SINGLE ENVIRONMENTAL SENSOR | PCT | France                     | THORNSE | Granted | 06702888.6        | 18-Jan-2006 | 1867039               | 31-Mar-2010 | 18-Jan-2026 |
| F-TP-00029 | AMPLIFIER FOR MULTI-USE OF SINGLE ENVIRONMENTAL SENSOR | PCT | United Kingdom             | THORNSE | Granted | 06702888.6        | 18-Jan-2006 | 1867039               | 31-Mar-2010 | 18-Jan-2026 |

|            |  |     |                            |        |         |            |             |                       |             |             |
|------------|--|-----|----------------------------|--------|---------|------------|-------------|-----------------------|-------------|-------------|
| F-TP-00029 | AMPLIFIER FOR MULTI-USE OF SINGLE ENVIRONMENTAL SENSOR     | PCT | United States of America   | THORNE | Granted | 11/886511  | 06-Apr-2005 | 7633386               | 15-Dec-2009 | 18-Feb-2026 |
| F-TP-00030 | DETECTION ARRANGEMENTS                                     | PCT | Australia                  | THORNE | Granted | 2005328223 | 17-Aug-2007 | 200532823             | 23-Dec-2010 | 12-Dec-2025 |
| F-TP-00030 | DETECTION ARRANGEMENTS                                     | PCT | Switzerland                | THORNE | Granted | 05818457.3 | 12-Dec-2005 | 1851857               | 13-Feb-2013 | 12-Dec-2025 |
| F-TP-00030 | DETECTION ARRANGEMENTS                                     | PCT | Germany                    | THORNE | Granted | 05818457.3 | 12-Dec-2005 | 1851857               | 13-Feb-2013 | 12-Dec-2025 |
| F-TP-00030 | DETECTION ARRANGEMENTS                                     | PCT | European Patent Convention | THORNE | Granted | 05818457.3 | 12-Dec-2005 | 1851857               | 13-Feb-2013 | 12-Dec-2025 |
| F-TP-00030 | DETECTION ARRANGEMENTS                                     | PCT | France                     | THORNE | Granted | 05818457.3 | 12-Dec-2005 | 1851857               | 13-Feb-2013 | 12-Dec-2025 |
| F-TP-00030 | DETECTION ARRANGEMENTS                                     | PCT | United Kingdom             | THORNE | Granted | 05818457.3 | 12-Dec-2005 | 1851857               | 13-Feb-2013 | 12-Dec-2025 |
| F-TP-00030 | DETECTOR ARRANGEMENTS                                      | PCT | United States of America   | THORNE | Granted | 11/894507  | 12-Dec-2005 | 7843324               | 30-Nov-2010 | 16-Oct-2026 |
| F-TP-00046 | Smoke Detector   | PCT | Australia                  | THORNE | Granted | 2005328222 | 12-Dec-2005 | 200532822             | 07-Jan-2010 | 12-Dec-2025 |
| F-TP-00046 | OPTICAL SMOKE CHAMBER MONITORING USING SPECULAR REFLECTION | PCT | Switzerland                | THORNE | Granted | 05818487.0 | 12-Dec-2005 | 1851744               | 16-Jul-2008 | 12-Dec-2025 |
| F-TP-00046 | OPTICAL SMOKE CHAMBER MONITORING USING SPECULAR REFLECTION | PCT | Germany                    | THORNE | Granted | 05818487.0 | 12-Dec-2005 | 60209500<br>8284.0-08 | 16-Jul-2008 | 12-Dec-2025 |
| F-TP-00046 | OPTICAL SMOKE CHAMBER MONITORING USING SPECULAR REFLECTION | PCT | European Patent Convention | THORNE | Granted | 05818487.0 | 12-Dec-2005 | 1851744               | 16-Jul-2008 | 12-Dec-2025 |
| F-TP-00046 | OPTICAL SMOKE CHAMBER MONITORING USING SPECULAR REFLECTION | PCT | France                     | THORNE | Granted | 05818487.0 | 12-Dec-2005 | 1851744               | 16-Jul-2008 | 12-Dec-2025 |
| F-TP-00046 | OPTICAL SMOKE CHAMBER MONITORING USING SPECULAR REFLECTION | PCT | United Kingdom             | THORNE | Granted | 05818487.0 | 12-Dec-2005 | 1851744               | 16-Jul-2008 | 12-Dec-2025 |



|            |                                     |     |                            |         |           |            |             |            |             |             |
|------------|-------------------------------------|-----|----------------------------|---------|-----------|------------|-------------|------------|-------------|-------------|
| F-TP-00046 | SMOKE DETECTOR                      | PCT | United States of America   | THORNSE | Granted   | 11/884291  | 12-Dec-2005 | 7940190    | 16-May-2011 | 11-Apr-2027 |
| F-TP-00054 | DETECTOR                            | PCT | Australia                  | THORNSE | Granted   | 2006251046 | 17-Feb-2006 | 2006251046 | 08-Mar-2011 | 17-Feb-2026 |
| F-TP-00054 | DETECTOR                            | PCT | Germany                    | THORNSE | Published | 06709808.7 | 17-Feb-2006 |            |             |             |
| F-TP-00054 | WINDOW CLEANLINESS DETECTION SYSTEM | PCT | European Patent Convention | THORNSE | Published | 06709808.7 | 17-Feb-2006 |            |             |             |
| F-TP-00054 | WINDOW CLEANLINESS DETECTION SYSTEM | PCT | United States of America   | THORNSE | Granted   | 11/921113  | 17-Feb-2006 | 7948628    | 14-May-2011 | 12-Jul-2026 |
| F-TP-00055 | A FLAME DETECTOR AND A METHOD       | PCT | Australia                  | THORNSE | Granted   | 2006251047 | 17-Feb-2006 | 2006251047 | 08-Sep-2011 | 17-Feb-2026 |
| F-TP-00055 | A FLAME DETECTOR AND A METHOD       | PCT | United States of America   | THORNSE | Granted   | 11/921111  | 17-Feb-2006 | 7956329    | 07-Jun-2011 | 08-May-2026 |
| F-TP-00117 | SENSOR TEMPERATURE CONTROL SYSTEM   | PCT | European Patent Convention | THORNSE | Published | 07824656.3 | 20-Nov-2007 |            |             |             |
| F-TP-00117 | A DETECTOR                          | PCT | United States of America   | THORNSE | Published | 12/525928  | 20-Nov-2007 |            |             |             |
| F-TP-00118 | IDENTIFYING A PLURALITY OF DEVICES  | PCT | European Patent Convention | THORNSE | Pending   | 08775960.1 | 16-Jul-2008 |            |             |             |
| F-TP-00118 | IDENTIFYING A PLURALITY OF DEVICES  | PCT | United States of America   | THORNSE | Granted   | 12/688531  | 16-Jul-2008 | 8232869    | 31-Jul-2012 | 24-Feb-2029 |
| F-TP-00156 | Detector                            | PCT | United Kingdom             | THORNSE | Pending   | 0704847.3  | 13-Mar-2007 |            |             |             |
| F-TP-00156 | Detector                            | PCT | United States of America   | THORNSE | Granted   | 12/530241  | 11-Mar-2008 | 8154415    | 10-Apr-2012 | 28-May-2029 |
| F-TP-00157 | FIRE GAS DETECTOR-CODING            | PCT | Switzerland                | THORNSE | Granted   | 08718718.3 | 13-Mar-2008 | 2140435    | 24-Oct-2012 | 13-Mar-2028 |
| F-TP-00157 | FIRE GAS DETECTOR-CODING            | PCT | Germany                    | THORNSE | Granted   | 08718718.3 | 13-Mar-2008 | 2140435    | 24-Oct-2012 | 13-Mar-2028 |
| F-TP-00157 | FIRE GAS DETECTOR-CODING            | PCT | European Patent Convention | THORNSE | Granted   | 08718718.3 | 13-Mar-2008 | 2140435    | 24-Oct-2012 | 13-Mar-2028 |
| F-TP-00157 | FIRE GAS DETECTOR-CODING            | PCT | France                     | THORNSE | Granted   | 08718718.3 | 13-Mar-2008 | 2140435    | 24-Oct-2012 | 13-Mar-2028 |
| F-TP-00157 | FIRE GAS DETECTOR-CODING            | PCT | United Kingdom             | THORNSE | Granted   | 08718718.3 | 13-Mar-2008 | 2140435    | 24-Oct-2012 | 13-Mar-2028 |
| F-TP-00157 | FIRE GAS DETECTOR-CODING            | CON | United States of America   | THORNSE | Granted   | 12/568423  | 28-Sep-2009 | 8198997    | 12-Jun-2012 | 21-Jul-2029 |

|            |   |     |                            |         |           |             |             |         |             |             |
|------------|---|-----|----------------------------|---------|-----------|-------------|-------------|---------|-------------|-------------|
| R-FD-09002 | A PARTICULATE DETECTOR                                  | PCT | Australia                  | THORNSE | Pending   | 2009298563  | 01-Oct-2009 |         |             |             |
| R-FD-09002 | A PARTICULATE DETECTOR                                  | PCT | European Patent Convention | THORNSE | Published | 09785183.5  | 01-Oct-2009 |         |             |             |
| R-FD-09002 | A PARTICULATE DETECTOR                                  | PCT | United States of America   | THORNSE | Granted   | 13/121467   | 01-Oct-2009 | 8559006 | 15-Oct-2013 | 09-Oct-2030 |
| R-FD-09015 | DETECTOR DEVICES  |     | European Patent Convention | THORNSE | Published | 11711112.0  | 11-Feb-2011 |         |             |             |
| R-FD-09015 | DETECTOR DEVICES  |     | United States of America   | THORNSE | Published | 13/578522   | 10-Aug-2012 |         |             |             |
| R-FD-09029 | FIRE DETECTION BY SENSING FLUORESCENCE OF FIRE PRODUCTS |     | Australia                  | THORNSE | Pending   | 2013220147  | 29-May-2014 |         |             |             |
| R-FD-09029 | FIRE DETECTION BY SENSING FLUORESCENCE OF FIRE PRODUCTS |     | European Patent Convention | THORNSE | Published | 13706679.1  | 13-Feb-2013 |         |             |             |
| R-FD-09029 | COMBUSTION PRODUCT DETECTION                            |     | United States of America   | THORNSE | Pending   | 14/364080   | 10-Jun-2014 |         |             |             |
| R-FD-09029 | FIRE DETECTION BY SENSING FLUORESCENCE OF FIRE PRODUCTS |     | Patent Cooperation Treaty  | THORNSE | Published | GB13/050332 | 13-Feb-2013 |         |             |             |
| R-FD-09033 | MOUNTING UNIT   |     | Australia                  | THORNSE | Pending   | 2011309980  | 08-Oct-2011 |         |             |             |
| R-FD-09033 | MOUNTING UNIT   |     | European Patent Convention | THORNSE | Published | 11773112.5  | 08-Oct-2011 |         |             |             |
| R-FD-09033 | MOUNTING UNIT   |     | United States of America   | THORNSE | Published | 13/877038   | 29-Mar-2013 |         |             |             |
| R-FD-09034 | SAFETY SYSTEM   |     | Australia                  | THORNSE | Published | 2011311359  | 04-Oct-2011 |         |             |             |
| R-FD-09034 | DATA STORAGE IN DETECTOR                                |     | European Patent Convention | THORNSE | Pending   | 111785048.7 | 04-Oct-2011 |         |             |             |
| R-FD-09034 | SAFETY SYSTEM   |     | United States of America   | THORNSE | Published | 13/877312   | 01-Apr-2013 |         |             |             |
| R-FD-09035 | DETECTOR SYSTEM   |     | Australia                  | THORNSE | Pending   | 2011311361  | 04-Oct-2011 |         |             |             |
| R-FD-09035 | DETECTOR SYSTEM   |     | Australia                  | THORNSE | Pending   | 2015200591  | 28-Jan-2015 |         |             |             |
| R-FD-09035 | DETECTOR SYSTEM   |     | Australia                  | THORNSE | Pending   | 201500392   | 28-Jan-2015 |         |             |             |

|            |  |  |                            |         |           |              |             |         |             |             |
|------------|--|--|----------------------------|---------|-----------|--------------|-------------|---------|-------------|-------------|
| R-FD-00035 | DETECTOR SYSTEM  |  | European Patent Convention | THORNGE | Published | 11788548.3   | 03-May-2013 |         |             |             |
| R-FD-00035 | DETECTOR SYSTEM  |  | United States of America   | THORNGE | Published | 13/877045    | 29-Mar-2013 |         |             |             |
| R-FD-00035 | ISOLATOR CIRCUIT   |  | Australia                  | THORNGE | Pending   | 2011311360   | 04-Oct-2011 |         |             |             |
| R-FD-00035 | ISOLATOR CIRCUIT   |  | European Patent Convention | THORNGE | Published | 117884733.5  | 04-Oct-2011 |         |             |             |
| R-FD-00035 | ISOLATOR CIRCUIT   |  | United States of America   | THORNGE | Published | 13/877056    | 29-Mar-2013 |         |             |             |
| R-FD-00038 | FIRE DETECTOR UNIT   |  | United Kingdom             | THORNGE | Granted   | 1101369.4    | 25-Jan-2011 | 2487580 | 04-Sep-2013 | 26-Jan-2031 |
| R-FD-00049 | REDUNDANT COMMUNICATION S-BUS CONCEPT                              |  | United Kingdom             | THORNGE | Published | 1217970.1    | 08-Oct-2012 |         |             |             |
| R-FD-00049 | INTERFACE CIRCUIT FOR DISTRIBUTED FIRE ALARM IN LOOP CONFIGURATION |  | Patent Cooperation Treaty  | THORNGE | Published | GB13/05261.8 | 08-Oct-2013 |         |             |             |
| R-FD-00079 | ALARM PANEL  |  | United Kingdom             | THORNGE | Pending   | 1320344.3    | 18-Nov-2013 |         |             |             |
| R-FD-00081 | CONTROL PANEL FOR A FIRE DETECTION SYSTEM                          |  | European Patent Convention | THORNGE | Pending   | 14195284.6   | 27-Nov-2014 |         |             |             |
| R-FD-00081 | CONTROL PANEL FOR A FIRE DETECTION SYSTEM                          |  | United Kingdom             | THORNGE | Pending   | 1321139.6    | 29-Nov-2013 |         |             |             |
| R-FD-00043 | DYNAMIC DRIFT COMPENSATION ALGORITHM                               |  | United Kingdom             | THORNGE | Pending   | 1507574.0    | 01-May-2015 |         |             |             |
| R-FD-00049 | REDUNDANT COMMUNICATION S-BUS CONCEPT                              |  | AU                         | THORNGE | Pending   | 2013328423   | 08-Oct-2013 |         |             |             |
| R-FD-00049 | REDUNDANT COMMUNICATION S-BUS CONCEPT                              |  | EP                         | THORNGE | Pending   | 13774772.1   | 08-Oct-2013 |         |             |             |
| R-FD-00049 | REDUNDANT COMMUNICATION S-BUS CONCEPT                              |  | US                         | THORNGE | Pending   | 14/432703    | 08-Oct-2013 |         |             |             |
| R-FD-00079 | FAST ACCESS LED FOR FIRE PANEL DISPLAY                             |  | PCT                        | THORNGE | Published | 2014/083396  | 17-Nov-2014 |         |             |             |
|            |  |  |                            |         |           |              |             |         |             |             |



**EXHIBIT B**  
**ASSIGNMENT OF TRADEMARK RIGHTS**

Thorn Security Ltd., a United Kingdom company with a registered address at Dunhams Lane, Letchworth Garden City, Hertfordshire SG6 1BD and a place of business at Security House, The Summit, Hanworth Road, Sunbury-on-Thames, TW16 5DB, United Kingdom ("Assignor"), hereby sells, assigns and transfers all of its rights, title and interest in the attached trademarks, including all common law rights, and trademark registrations and pending applications therefor together with the good will of the business symbolized by the trademarks, including all rights of priority and other filings in any country, and including the rights to recover all damages for infringements including damages by reason of past, present, or future infringement or any other violation of trademark or trademark applications rights and the rights to enforce them in relation to infringements occurring before, on or after the effective date of this assignment, in any country and in any court, and including the right to bring, make, oppose, defend, appeal proceedings, claims or actions in any court anywhere in the world and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership of any of the attached trademarks and trademark applications (including without limitation all rights of priority and other filings in any country) whether occurring before, on or after the effective date of this assignment, in consideration of One Dollar (\$1.00), and other good and valuable compensation, the receipt of which is hereby acknowledged, to Tyco Fire & Security GmbH, a Swiss limited liability company registered under the number CH-290.3.017.193-9, whose registered seat is at Victor von Bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Switzerland ("Assignee") and hereby authorizes Assignee to record or have recorded the assignment/transfer of such rights with the relevant patent offices and authorities, including the change of ownership.

**THORN SECURITY LTD.**

Date: 29/07/15  
Represented by: [Signature]  
Name: A.B. ALPHONSE  
Title: DIRECTOR

**TYCO FIRE & SECURITY GMBH**

Date: 20 JUL 2015  
Represented by: [Signature]  
Name: James Graham  
Title: Managing Director  
  
Date: \_\_\_\_\_  
Represented by: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**ASSIGNED TRADEMARKS AND TRADEMARK APPLICATIONS:**

| Ref. No.     | Country              | Trade-mark          | Status     | App. No.   | File Date | Reg. No.   | Reg. Date | Next Renewal Date | Registered Owner       |
|--------------|----------------------|---------------------|------------|------------|-----------|------------|-----------|-------------------|------------------------|
| UK-66        | United Kingdom       | AFA                 | Registered | 1032212    | 09-Jul-74 | 1032212    | 09-Jul-74 | 09-Jul-15         | Thorn Security Limited |
| UK-62        | Singapore            | AFA-MINERVA         | Registered | 78238      | 25-Nov-78 | 778/782381 | 25-Nov-78 | 25-Nov-19         | Thorn Security Limited |
| UK-69        | United Kingdom       | FIDELA              | Registered | 769014     | 07-Sep-57 | 769014     | 07-Sep-57 | 07-Sep-16         | Thorn Security Limited |
| T-W-AM-00043 | Uruguay              | FIRECLAS S          | Registered | 442.941    | 14-Feb-13 | 442.941    | 07-Aug-14 | 07-Aug-24         | Thorn Security Limited |
| T-W-AM-00044 | Canada               | FIRECLAS S          | Published  | 1613245    | 11-Feb-13 |            |           |                   | Thorn Security Limited |
| T-W-AM-00023 | India                | FIRECLAS S          | Pending    | 2242395    | 30-Nov-11 |            |           |                   | Thorn Security Limited |
| T-W-AM-00045 | Chile                | FIRECLAS S          | Pending    | 1056067    | 29-Apr-13 |            |           |                   | Thorn Security Limited |
| T-F-FD-00055 | Chile                | FIRECLAS S          | Pending    | 1111171    | 13-Jun-14 |            |           |                   | Thorn Security Limited |
| T-W-AM-00034 | United Arab Emirates | FIRECLAS S & DESIGN | Registered | 169010     | 08-Feb-12 | 169010     | 01-May-13 | 08-Feb-22         | Thorn Security Limited |
| T-F-FD-00058 | Colombia             | FIRECLAS S & DESIGN | Registered | 13-025.450 | 07-Feb-13 | 480.218    | 30-Sep-13 | 30-Sep-23         | Thorn Security Limited |
| T-F-FD-00059 | Colombia             | FIRECLAS S & DESIGN | Registered | 13-025.453 | 07-Feb-13 | 495.630    | 30-Jul-14 | 30-Jul-24         | Thorn Security Limited |
| T-W-AM-00046 | Colombia             | FIRECLAS S & DESIGN | Registered | 13025456   | 07-Feb-13 | 478.731    | 30-Aug-13 | 30-Aug-23         | Thorn Security Limited |
| T-N-FS-00008 | Pakistan             | FIRECLAS S & DESIGN | Pending    | 348356     | 22-Oct-13 |            |           |                   | Thorn Security Limited |
| T-W-AM-00037 | Venezuela            | FIRECLAS S & DESIGN | Registered | 20131744   | 31-Jan-13 | P-340.526  | 20-May-14 | 20-May-29         | Thorn Security Limited |
| T-W-AM-00041 | Venezuela            | FIRECLAS S & DESIGN | Registered | 20131745   | 31-Jan-13 |            | 23-Jan-14 | 23-Jan-29         | Thorn Security Limited |
| T-W-AM-00042 | Venezuela            | FIRECLAS S & DESIGN | Registered | 20131746   | 31-Jan-13 |            | 23-Jan-14 | 23-Jan-29         | Thorn Security Limited |
| T-W-AM-00035 | India                | FIRECLAS S & DESIGN | Pending    | 2279680    | 08-Feb-12 |            |           |                   | Thorn Security Limited |
| T-N-FS-00011 | Ecuador              | FIRECLAS S & DESIGN | Published  | 201351138  | 07-Nov-13 |            |           |                   | Thorn Security Limited |
| T-W-         | Europea              | FIRECLAS            | Registered | 01018213   | 08-Aug-   | 010182137  | 30-Jan-   | 08-Aug-21         | Thorn                  |

|              |                             |                           |                |                 |                |         |                |           |                              |
|--------------|-----------------------------|---------------------------|----------------|-----------------|----------------|---------|----------------|-----------|------------------------------|
| AM-00015     | n Commun<br>ity             | S &<br>DESIGN             | d              | 7               | 11             |         | 12             |           | Security<br>Limited          |
| T-W-AM-00036 | Peru                        | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 517788-<br>2012 | 18-Dec-<br>12  | 6493    | 20-Aug-<br>13  | 20-Aug-23 | Thorn<br>Security<br>Limited |
| T-N-FS-00009 | Paragua<br>y                | FIRECLAS<br>S &<br>DESIGN | Pending        | 52859/20<br>13  | 07-Nov-<br>13  |         |                |           | Thorn<br>Security<br>Limited |
| T-W-AM-00033 | Madrid<br>Agreem<br>ent     | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         | 11-08-<br>2011 | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Albania                     | FIRECLAS<br>S &<br>DESIGN | Pending        | 1111729         |                |         |                |           | Thorn<br>Security<br>Limited |
|              | Boznia +<br>Herzogo<br>vina | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         |                | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Belarus                     | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         |                | 1111729 | 06-05-<br>2015 | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Switzerla<br>nd             | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         |                | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | China                       | FIRECLAS<br>S &<br>DESIGN | Pending        | 1111729         | 11-08-<br>2011 |         |                |           | Thorn<br>Security<br>Limited |
|              | Egypt                       | FIRECLAS<br>S &<br>DESIGN | Pending        | 1111729         | 11-08-<br>2011 |         |                |           | Thorn<br>Security<br>Limited |
|              | Israel                      | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         | 11-08-<br>2011 | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Kenya                       | FIRECLAS<br>S &<br>DESIGN | Pending        | 1111729         | 11-08-<br>2011 |         |                |           | Thorn<br>Security<br>Limited |
|              | Liechten<br>stein           | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         | 11-08-<br>2011 | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Morocco                     | FIRECLAS<br>S &<br>DESIGN | Pending        | 1111729         | 11-08-<br>2011 |         |                |           | Thorn<br>Security<br>Limited |
|              | Moldava                     | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         | 11-08-<br>2011 | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Monten<br>egro              | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         | 11-08-<br>2011 | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Macedo<br>nia               | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         | 11-08-<br>2011 | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Norway                      | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         | 11-08-<br>2011 | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |
|              | Serbia                      | FIRECLAS<br>S &<br>DESIGN | Registere<br>d | 1111729         | 11-08-<br>2011 | 1111729 | 08-Feb-<br>12  | 08-Feb-22 | Thorn<br>Security<br>Limited |

|              |                      |                      |            |            |            |            |             |             |                        |
|--------------|----------------------|----------------------|------------|------------|------------|------------|-------------|-------------|------------------------|
|              | Russian Federation   | FIRECLAS S & DESIGN  | Registered | 1111729    | 11-08-2011 | 1111729    | 08-Feb-12   | 08-Feb-22   | Thorn Security Limited |
|              | San Marino           | FIRECLAS S & DESIGN  | Registered | 1111729    | 11-08-2011 | 1111729    | 08-Feb-12   | 08-Feb-22   | Thorn Security Limited |
|              | Turkey               | FIRECLAS S & DESIGN  | Pending    | 1111729    | 11-08-2011 |            |             |             | Thorn Security Limited |
|              | Ukraine              | FIRECLAS S & DESIGN  | Registered | 1111729    | 11-08-2011 | 1111729    | 08-Feb-12   | 08-Feb-22   | Thorn Security Limited |
|              | USA                  | FIRECLAS S & DESIGN  | Registered | 1111729    | 11-08-2011 | 1111729    | 08-Feb-12   | 08-Feb-22   | Thorn Security Limited |
| T-W-AM-00026 | Saudi Arabia         | FIRECLAS S & DESIGN  | Registered | 178379     | 08-Aug-11  | 143303.367 | 20-Jan-2014 | 22-Oct-2021 | Thorn Security Limited |
| T-W-AM-00027 | South Africa         | FIRECLAS S & DESIGN  | Registered | 2012/02978 | 08-Aug-11  | 2012/02978 | 05-Sep-13   | 08-Aug-21   | Thorn Security Limited |
| T-W-AM-00038 | Brazil               | FIRECLAS S & DESIGN  | Published  | 905710525  | 21-Dec-12  |            |             |             | Thorn Security Limited |
| T-W-AM-00039 | Brazil               | FIRECLAS S & DESIGN  | Published  | 905710703  | 21-Dec-12  |            |             |             | Thorn Security Limited |
| T-W-AM-00040 | Brazil               | FIRECLAS S & DESIGN  | Published  | 905711050  | 21-Dec-12  |            |             |             | Thorn Security Limited |
| T-F-FD-00054 | Argentina            | FIRECLAS S & DESIGN  | Pending    | 3353087    | 11-Sep-14  |            |             |             | Thorn Security Limited |
| T-N-FS-00006 | Argentina            | FIRECLAS S & DESIGN  | Pending    | 3353085    | 11-Sep-14  |            |             |             | Thorn Security Limited |
| T-F-FD-00003 | United Arab Emirates | FLAMEVISION          | Published  | 207569     | 10-Mar-14  |            |             |             | Thorn Security Limited |
| T-F-TP-00576 | Saudi Arabia         | FLAMEVISION & DESIGN | Published  | 196330     | 05-May-13  |            |             |             | Thorn Security Limited |
| T-F-FD-00007 | Madrid Agreement     | FLAMEVISION          | Registered | 1193459    | 27-Jan-14  | 1193459    | 27-Jan-14   | 27-Jan-24   | Thorn Security Limited |
|              | Russian Federation   | FLAMEVISION          | Registered | 1193459    | 27-Jan-14  | 1193459    | 27-Jan-14   | 27-Jan-24   | Thorn Security Limited |
| T-F-FD-00002 | European Community   | FLAMEVISION          | Registered | 12422606   | 12-Dec-13  | 12422606   | 07-May-14   | 12-Dec-23   | Thorn Security Limited |
| T-F-TP-00597 | European Community   | FLAMEVISION & DESIGN | Registered | 11569357   | 13-Feb-13  | 11569357   | 10-Jul-13   | 13-Feb-23   | Thorn Security Limited |
| T-F-TP-00598 | Madrid Agreement     | FLAMEVISION &        | Registered | 1158227    | 18-May-13  | 1158227    | 22-Feb-13   | 22-Feb-23   | Thorn Security         |



|              |                |                                  |            |              |           |              |             |             |                        |
|--------------|----------------|----------------------------------|------------|--------------|-----------|--------------|-------------|-------------|------------------------|
|              | ent            | DESIGN                           |            |              |           |              |             |             | Limited                |
|              | Korea          | FLAMEVISION & DESIGN             | Registered | 1158227      | 18-May-13 | 1158227      | 22-Feb-13   | 22-Feb-23   | Thorn Security Limited |
|              | Singapore      | FLAMEVISION & DESIGN             | Registered | 1158227      | 18-May-13 | 1158227      | 22-Feb-13   | 22-Feb-23   | Thorn Security Limited |
| UK-70        | United Kingdom | GODDES S OF FIRE device          | Registered | 964235       | 24-Aug-70 | 964235       | 24-Aug-70   | 24-Aug-15   | Thorn Security Limited |
| UK-73        | United Kingdom | INFRASC OPE                      | Registered | 959412       | 09-May-70 | 959412       | 09-May-70   | 09-May-15   | Thorn Security Limited |
| UK-77        | United Kingdom | JELBUS                           | Registered | 1262108      | 07-Mar-86 | 1262108      | 07-Mar-86   | 7-Mar-17    | Thorn Security Limited |
| UK-80        | United Kingdom | JELNET                           | Registered | 1262110      | 07-Mar-86 | 1262110      | 07-Mar-86   | 07-Mar-17   | Thorn Security Limited |
| UK-53        | Benelux        | LATTICE T DEVICE SERIES OF 2     | Registered | 843080       | 22-Feb-95 | 569371       | 01-Feb-96   | 22-Feb-2025 | Thorn Security Limited |
| UK-61        | Malaysia       | LATTICE T DEVICE SERIES OF 2     | Registered | 95003076     | 06-Apr-95 | 95003076     | 11-Mar-98   | 6-Apr-22    | Thorn Security Limited |
| UK-58        | Hong Kong      | LATTICE T DEVICE SERIES OF 2     | Registered | 229295       | 01-Nov-94 | 199606274    | 11-Jul-96   | 01-Nov-25   | Thorn Security Limited |
| UK-63        | Singapore      | LATTICE T DEVICE SERIES OF 2     | Registered | 171795       | 01-Nov-94 | 171795       | 01-Nov-94   | 01-Nov-14   | Thorn Security Limited |
| UK-83        | United Kingdom | LATTICE T DEVICE SERIES - 2 OF 2 | Registered | 2004794      | 01-Nov-94 | 2004794      | 2-Feb-96    | 01-Nov-24   | Thorn Security Limited |
| UK-84        | United Kingdom | MAY-GATWAY                       | Registered | 997471       | 24-Aug-72 | 997471       | 24-Aug-72   | 24-Aug-17   | Thorn Security Limited |
| UK-86        | United Kingdom | MINERVA                          | Registered | 841236       | 02-Nov-62 | 841236       | 02-Nov-62   | 02-Nov-17   | Thorn Security Limited |
| UK-87        | United Kingdom | MINERVA                          | Registered | 1571422      | 11-May-94 | 1571422      | 22-Dec-95   | 11-May-21   | Thorn Security Limited |
| UK-108       | South Africa   | MINERVA                          | Registered | 2001/16558/1 | 25-Sep-01 | 2001/16658/1 | 25-Sep-01   | 25-Sep-21   | Thorn Security Limited |
| UK-104       | Australia      | MINERVA                          | Registered | 890046       | 24-Sep-01 | 890046       | 03-May-02   | 24-Sep-21   | Thorn Security Limited |
| T-W-AM-00019 | Brazil         | MINERVA                          | Registered | 831226013    | 19-Sep-11 | 831226013    | 26-May-2015 | 26-May-2025 | Thorn Security Limited |

|              |                      |                      |            |               |           |           |             |             |                        |
|--------------|----------------------|----------------------|------------|---------------|-----------|-----------|-------------|-------------|------------------------|
| UK-102       | European Community   | MINERVA              | Registered | 2421741       | 22-Oct-01 | 2421741   | 08-Aug-05   | 22-Oct-21   | Thorn Security Limited |
| UK-59        | Hong Kong            | MINERVA              | Registered |               | 02-Apr-79 | 19800688  | 14-Apr-80   | 02-Apr-24   | Thorn Security Limited |
| UK-106       | New Zealand          | MINERVA              | Registered | 645983        | 26-Sep-01 | 645983    | 26-Sep-01   | 26-Sep-18   | Thorn Security Limited |
| UK-88        | United Kingdom       | MINERVA & OWL DEVICE | Registered | 677088        | 15-Feb-49 | 677088    | 15-Feb-49   | 15-Feb-18   | Thorn Security Limited |
| F-14122      | Italy                | MX TECHNOLOGY        | Registered | RM2003C00259  | 30-Nov-00 | 1372001   | 04-Jun-07   | 30-Nov-20   | Thorn Security Limited |
| F-14126      | Benelux              | MX TECHNOLOGY        | Registered | 0200347       | 30-Nov-00 | 0200347   | 02-Jun-03   | 30-Nov-20   | Thorn Security Limited |
| F-14123      | Spain                | MX TECHNOLOGY        | Registered | 2504030(8)    | 02-Sep-02 | 2504030   | 12-Mar-03   | 02-Sep-22   | Thorn Security Limited |
| F-14113      | Canada               | MX TECHNOLOGY        | Registered | 1123253       | 26-Nov-01 | 684646    | 27-Mar-07   | 27-Mar-22   | Thorn Security Limited |
| F-14124      | United Kingdom       | MX TECHNOLOGY        | Registered | 2313718       | 30-Nov-00 | 2313718   | 30-Nov-00   | 30-Nov-20   | Thorn Security Limited |
| F-14127      | Greece               | MX TECHNOLOGY        | Registered | 225           | 08-Aug-02 | 225       | 18-May-04   | 08-Aug-22   | Thorn Security Limited |
| F-14111      | Australia            | MX TECHNOLOGY        | Registered | 896238        | 27-Nov-01 | 896238    | 23-Apr-03   | 27-Nov-21   | Thorn Security Limited |
| T-F-TP-00523 | United Arab Emirates | MZX TECHNOLOGY       | Registered | 145592        | 03-Aug-10 | 145592    | 21-Aug-2013 | 03-Aug-2020 | Thorn Security Limited |
| T-W-AM-00016 | Switzerland          | MZX TECHNOLOGY       | Registered | 60317/2011    | 13-Sep-11 | 624767    | 13-Sep-11   | 13-Sep-21   | Thorn Security Limited |
| T-W-AM-00017 | Norway               | MZX TECHNOLOGY       | Registered | 201110273     | 07-Sep-11 | 263357    | 12-Jan-12   | 07-Sep-21   | Thorn Security Limited |
| T-F-TP-00511 | Australia            | MZX TECHNOLOGY       | Registered | 1262553       | 15-Sep-08 | 1262553   | 23-Apr-09   | 15-Sep-18   | Thorn Security Limited |
| T-F-TP-00509 | European Community   | MZX TECHNOLOGY       | Registered | 007235849     | 16-Sep-08 | 007235849 | 05-May-09   | 16-Sep-18   | Thorn Security Limited |
| T-W-AM-00002 | Korea, Republic of   | MZX TECHNOLOGY       | Registered | 40-2010-39064 | 27-Jul-10 | 40-905554 | 20-Feb-12   | 20-Feb-22   | Thorn Security Limited |
| T-F-TP-00513 | New Zealand          | MZX TECHNOLOGY       | Registered | 796046        | 15-Sep-08 | 796046    | 15-Sep-08   | 15-Sep-18   | Thorn Security Limited |
| T-F-TP-      | Saudi                | MZX                  | Registered | 157274        | 18-Jul-10 | 1355/71   | 24-Apr-     | 18-Mar-     | Thorn                  |

|                      |                               |                                     |                |               |               |           |               |               |                              |
|----------------------|-------------------------------|-------------------------------------|----------------|---------------|---------------|-----------|---------------|---------------|------------------------------|
| 00521                | Arabia                        | TECHNO<br>LOGY                      | d              |               |               |           | 12            | 20            | Security<br>Limited          |
| T-W-<br>AM-<br>00001 | Singapor<br>e                 | MZX<br>TECHNO<br>LOGY               | Registere<br>d | T1009170<br>D | 20-Jul-10     | T1009170D | 20-Jul-10     | 20-Jul-20     | Thorn<br>Security<br>Limited |
| T-F-TP-<br>00512     | Australia                     | MZX<br>TECHNO<br>LOGY &<br>DESIGN   | Registere<br>d | 1262554       | 15-Sep-<br>08 | 1262554   | 23-Apr-<br>09 | 15-Sep-18     | Thorn<br>Security<br>Limited |
| T-F-TP-<br>00510     | Europea<br>n<br>Commun<br>ity | MZX<br>TECHNO<br>LOGY &<br>DESIGN   | Registere<br>d | 00723593<br>1 | 15-Sep-<br>08 | 007235931 | 05-May-<br>09 | 16-Sep-18     | Thorn<br>Security<br>Limited |
| T-F-TP-<br>00514     | New<br>Zealand                | MZX<br>TECHNO<br>LOGY &<br>DESIGN   | Registere<br>d | 796044        | 15-Sep-<br>08 | 796044    | 15-Sep-<br>08 | 15-Sep-18     | Thorn<br>Security<br>Limited |
| T-W-<br>AM-<br>00031 | China                         | MZX<br>TECHNO<br>LOGY &<br>DESIGN   | Registere<br>d | 10256222      | 01-Dec-<br>11 | 10256222  | 07-Feb-<br>13 | 06-Feb-23     | Thorn<br>Security<br>Limited |
| T-W-<br>AM-<br>00018 | China                         | MZX<br>TECHNO<br>LOGY &<br>DESIGN   | Registere<br>d | 10256221      | 01-Dec-<br>11 | 10256221  | 07-Feb-<br>13 | 06-Feb-23     | Thorn<br>Security<br>Limited |
| UK-93                | United<br>Kingdom             | REARGU<br>ARD                       | Registere<br>d | 1447410       | 10-Nov-<br>90 | 81447410  | 10-Nov-<br>90 | 10-Nov-17     | Thorn<br>Security<br>Limited |
| UK-94                | United<br>Kingdom             | SATURN                              | Registere<br>d | 1066104       | 23-Jul-76     | 1066104   | 23-Jul-76     | 23-Jul-17     | Thorn<br>Security<br>Limited |
| UK-95                | United<br>Kingdom             | SATURN                              | Registere<br>d | 1417816       | 19-Mar-<br>90 | 1417816   | 18-Apr-<br>95 | 19-Mar-<br>17 | Thorn<br>Security<br>Limited |
| UK-97                | United<br>Kingdom             | SITEGUA<br>RD                       | Registere<br>d | 2010136       | 03-Feb-<br>95 | 2010136   | 23-May-<br>97 | 03-Feb-25     | Thorn<br>Security<br>Limited |
| UK-98                | United<br>Kingdom             | SITEGUA<br>RD IN<br>SPECIAL<br>FORM | Registere<br>d | 1498725       | 28-Apr-<br>92 | 1498725   | 17-Feb-<br>95 | 28-Apr-19     | Thorn<br>Security<br>Limited |
| UK-99                | United<br>Kingdom             | SMARTSI<br>GNAL                     | Registere<br>d | 2064829       | 27-Mar-<br>96 | 2064829   | 18-Oct-<br>96 | 27-Mar-<br>16 | Thorn<br>Security<br>Limited |
| UK-90                | United<br>Kingdom             | ONGUAR<br>D                         | Registere<br>d | 1058503       | 09-Feb-<br>76 | 81058503  | 18-Apr-<br>77 | 09-Feb-17     | Thorn<br>Security<br>Limited |
| UK-91                | United<br>Kingdom             | ONGUAR<br>D                         | Registere<br>d | 977703        | 14-Jul-71     | 8977703   | 11-May-<br>72 | 14-Jul-16     | Thorn<br>Security<br>Limited |

**EXHIBIT C**  
**DEFINITION OF PRODUCTS**

"Products" means electronic fire detection and alarm products including but not limited to:

- Control panels, initiating devices, notification appliances, workstations and accessories; and
- Integrated security, access control, intrusion detection and monitoring, video, storage, and peripherals and accessories; and
- Emergency communications systems, public address, mass notification systems, emergency lighting; and
- Healthcare communications, asset and personnel location, wandering resident, infant security, two-way voice communications; and
- Master time and control and clocks, time recorders, and time stamps; and
- products that incorporate elements of products described in (i) through (v) above.