

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                   |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                       |
| <b>CONVEYING PARTY DATA</b>   |                                  |
| <b>Name</b>   | <b>Execution Date</b>            |
| ENSIGN INFOSECURITY (CYBERSECURITY) PTE. LTD.   | 05/17/2019                       |
| <b>RECEIVING PARTY DATA</b>   |                                  |
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| <b>City:</b>  | SINGAPORE                        |
| <b>State/Country:</b>   | SINGAPORE                        |
| <b>Postal Code:</b>   | 409179                           |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                  |
| <b>Property Type</b>  | <b>Number</b>                    |
| <b>Application Number:</b>  | 10488657                         |
| <b>CORRESPONDENCE DATA</b>  |                                  |
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| <b>Correspondent Name:</b>  | KONRAD RAYNES DAVDA & VICTOR LLP |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | 235.16                           |
| <b>NAME OF SUBMITTER:</b>   | GEOFFREY BELL                    |
| <b>SIGNATURE:</b>   | /Geoffrey Bell/                  |
| <b>DATE SIGNED:</b>   | 06/25/2019                       |
| <b>Total Attachments: 12</b>  |                                  |
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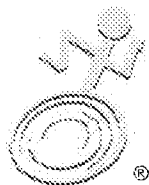
**NOTARIAL CERTIFICATE**

TO ALL WHOM THESE PRESENTS SHALL COME

I, **MAURICE OON**, **NOTARY PUBLIC**, duly authorized and appointed, practicing in the Republic of Singapore do hereby **CERTIFY AND ATTEST** that I was present on the **17th day of May 2019** at Singapore aforesaid and did then and there see the document "PATENT ASSIGNMENT" attached hereunder, signed by **CHARLES NG YOUYI** For and On Behalf of **ENSIGN INFOSECURITY (CYBERSECURITY) PTE. LTD.** and **PAUL CHONG KAI YEW** For and On Behalf of **CERTIS CISCO SECURITY PTE. LTD.**, AND THAT the signatures "**CHARLES NG YOUYI**" and "**PAUL CHONG KAI YEW**" subscribed to the said document are of the proper signatures and handwritings of the said **CHARLES NG YOUYI** and **PAUL CHONG KAI YEW**.

**IN FAITH AND TESTIMONY** whereof I have hereunto subscribed my name and affixed the Seal of Office at Singapore on the **17th day of May** in the Year **Two Thousand and Nineteen (2019)**

  
Maurice Oon  
Notary Public, Singapore



**MAURICE OON**  
1 Coleman Street  
#05-12 The Adelphi  
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Associate Member of The Australian and  
New Zealand College of Notaries



The Australian  
and New Zealand  
College of Notaries

**PATENT**

**REEL: 049582 FRAME: 0296**

**ALLEN & GLEDHILL**

Dated 17 MAY 2019

**ENSIGN INFOSECURITY (CYBERSECURITY) PTE. LTD.**

and

**CERTIS CISCO SECURITY PTE LTD**

**PATENT ASSIGNMENT**

Allen & Gledhill LLP  
One Marina Boulevard #28-00 Singapore 018989  
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[allenandgledhill.com](http://allenandgledhill.com)

**PATENT**  
**REEL: 049582 FRAME: 0297**

This Agreement is made on

17 MAY 2019

between:

- (1) **ENSIGN INFOSECURITY (CYBERSECURITY) PTE. LTD.** (formerly known as QUANN WORLD PTE. LTD.) (a company incorporated in SINGAPORE) of 6 COMMONWEALTH LANE, SINGAPORE 149547 (hereinafter referred to as "the Assignor") of the one part; and;
- (2) **CERTIS CISCO SECURITY PTE LTD** (a company incorporated in SINGAPORE) of 20 JALAN AFIFI, CERTIS CISCO CENTRE, SINGAPORE, 409179 (hereinafter called the "Assignee") of the other part.

**Whereas:**

- (A) The Assignor is the registered proprietor of the patent applications in the attached Schedule (hereinafter called the "Patent Applications").
- (B) The Assignor has agreed to assign and transfer to the Assignee all its respective rights, titles and interests in the Patent Applications, and the Assignee has agreed to accept the same.

**It is agreed as follows:**

1. In consideration of the sum of One Singapore Dollar (S\$ 1.00) now paid by the Assignee to the Assignor, receipt of which the Assignor hereby acknowledges, the Assignor assigns to the Assignee, free from all encumbrances, all rights, title and interest in respect of the Patent Applications.
2. The Assignee acknowledges and agrees that no representation or warranty had been given by the Assignor, whether under this Agreement or otherwise, in respect of the Patent Applications.
3. The Assignor shall execute all such documents and do all such acts as may be necessary to record the change in ownership in and to the Patent Applications with the respective Patent Offices or Patent Registries pursuant to this Agreement and to confirm, protect, perfect or enforce, any of the rights granted or confirmed to the Assignee by this Agreement.
4. The Assignor and Assignee hereby authorise Allen & Gledhill LLP of One Marina Boulevard #28-00 Singapore 018989 directly or through their associates in different countries to complete and file the necessary forms to record the assignment of the Patent Applications at the respective Patent Offices or Patent Registries on their behalf.
5. This Agreement shall be governed by and construed in accordance with the laws of Singapore and the parties hereby submit to the non-exclusive jurisdiction of the courts of Singapore.
6. A person or entity who is not a party to this Agreement shall have no right under the Contracts (Rights of Third Parties) Act, Chapter 53B of Singapore, to enforce any term of this Agreement, regardless of whether such person or entity has been identified by name, as

a member of a class or as answering a particular description. For the avoidance of doubt, nothing in this Clause shall affect the rights of any permitted assignee or transferee of this Agreement.

7. No variation, amendment or rescission of this Agreement shall bind the parties to this Agreement unless made in writing in the English language and signed by all parties. Without prejudice to the generality of Clause 6, the parties' rights to vary, amend or rescind this Agreement in the manner aforesaid may be exercised without the consent of any person or entity who is not a party to this Agreement.
8. This Agreement may be executed in any number of counterparts and by different parties in separate counterparts. Each counterpart when so executed shall be deemed to be an original and all of which together shall constitute one and the same agreement.

## Schedule 1

### 1. Australia Patent Application:

|    | Patent Application No. | Date of Filing  | Title of Invention  |
|----|------------------------|-----------------|---|
| 1. | 2015387270             | 18 MARCH 2015   | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 2015403433             | 24 JULY 2015    | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 3. | 2016427778             | 24 OCTOBER 2016 | QUANTITATIVE UNIFIED ANALYTIC NEURAL NETWORKS   |

### 2. China Patent Applications:

|    | Patent Application No. | Date of Filing | Title of Invention  |
|----|------------------------|----------------|---|
| 1. | 201810122119.4         | 18 MARCH 2015  | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 201580004151.7         | 24 JULY 2015   | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |

**3. European Patent Applications:**

|    | <b>Patent Application No.</b>            | <b>Date of Filing</b> | <b>Title of Invention</b>   |
|----|--|-----------------------|---|
| 1. | 15796998.1                               | 18 MARCH 2015         | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 15788313.3                               | 24 JULY 2015          | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 3. | 602015026841.5<br>(German Patent Office) | 24 JULY 2015          | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 4. | 15788313.3<br>(Validated in GB)          | 24 JULY 2015          | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 5. | 15788313.3<br>(Validated in NL)          | 24 JULY 2015          | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 6. | 16919899.1                               | 24 OCTOBER<br>2016    | QUANTITATIVE UNIFIED ANALYTIC NEURAL NETWORKS   |

**4. Hong Kong Patent Application:**

|    | <b>Patent Application No.</b> | <b>Date of Filing</b> | <b>Title of Invention</b>   |
|----|-------------------------------|-----------------------|---|
| 1. | 18109173.0                    | 16 JULY 2018          | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 17105622.6                    | 7 JUNE 2017           | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |



**5. India Patent Applications:**

|    | <b>Patent Application No.</b> | <b>Date of Filing</b> | <b>Title of Invention</b>   |
|----|-------------------------------|-----------------------|---|
| 1. | 201637003652                  | 18 MARCH 2015         | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 201637009828                  | 24 JULY 2015          | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |

**6. Malaysia Patent Applications:**

|    | <b>Patent Application No.</b> | <b>Date of Filing</b> | <b>Title of Invention</b>   |
|----|-------------------------------|-----------------------|---|
| 1. | PI 2015704318                 | 18 MARCH 2015         | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | PI 2015704088                 | 24 JULY 2015          | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 3. | PI 2019002305                 | 24 OCTOBER 2016       | QUANTITATIVE UNIFIED ANALYTIC NEURAL NETWORKS   |
| 4. | PI 20014151                   | 4 SEPTEMBER 2001      | COMPUTER SECURITY EVENT MANAGEMENT SYSTEM   |

**7. PCT Patent Applications:**

|    | Patent Application No. | Date of Filing  | Title of Invention  |
|----|------------------------|-----------------|---|
| 1. | PCT/SG2015/050040      | 18 MARCH 2015   | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | PCT/SG2015/050233      | 24 JULY 2015    | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 3. | PCT/SG2016/050515      | 24 OCTOBER 2016 | QUANTITATIVE UNIFIED ANALYTIC NEURAL NETWORKS   |

**8. Singapore Patent Applications:**

|    | Patent Application No. | Date of Filing   | Title of Invention  |
|----|------------------------|------------------|---|
| 1. | 11201509821S           | 18 MARCH 2015    | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 11201509818U           | 24 JULY 2015     | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 3. | 11201710236R           | 24 OCTOBER 2016  | QUANTITATIVE UNIFIED ANALYTIC NEURAL NETWORKS   |
| 4. | 200401186-2            | 4 SEPTEMBER 2001 | COMPUTER SECURITY EVENT MANAGEMENT SYSTEM   |
| 5. | 200401487-4            | 25 FEBRUARY 2004 | MANAGING TRANSACTION LOG DATA   |
| 6. | 200503737-9            | 10 JUNE 2005     | METHOD AND SYSTEM FOR ANOMALY DETECTION USING A COLLECTIVE SET OF UNSUPERVISED MACHINE – LEARNING ALGORITHMS                      |
| 7. | 200404342-8            | 30 JULY 2004     | AN INTRUSION PROTECTION SYSTEM AND METHOD   |

**9. Taiwan Patent Applications:**

|    | Patent Application No. | Date of Filing | Title of Invention  |
|----|------------------------|----------------|---|
| 1. | 105107893              | 15 MARCH 2016  | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 105107288              | 10 MARCH 2016  | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |

**10. Thailand Patent Applications:**

|    | Patent Application No. | Date of Filing | Title of Invention  |
|----|------------------------|----------------|---|
| 1. | 1601000811             | 18 MARCH 2015  | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 1601001732             | 24 JULY 2015   | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |

**11. UAE Patent Applications:**

|    | Patent Application No. | Date of Filing   | Title of Invention  |
|----|------------------------|------------------|---|
| 1. | 159/2016               | 11 FEBRUARY 2016 | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 365/2016               | 28 MARCH 2016    | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |

**12. Qatar Patent Applications:**

|    | <b>Patent Application No.</b> | <b>Date of Filing</b> | <b>Title of Invention</b>   |
|----|-------------------------------|-----------------------|---|
| 1. | QA/201602/00057               | 11 FEBRUARY 2016      | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | QA/201603/00124               | 28 MARCH 2016         | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |

**13. Oman Patent Applications:**

|    | <b>Patent Application No.</b> | <b>Date of Filing</b> | <b>Title of Invention</b>   |
|----|-------------------------------|-----------------------|---|
| 1. | OM/2016/00040                 | 11 FEBRUARY 2016      | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | OM/2016/00086                 | 28 MARCH 2016         | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |

**14. USA Patent Applications:**

|    | <b>Patent Application No.</b> | <b>Date of Filing</b> | <b>Title of Invention</b>   |
|----|-------------------------------|-----------------------|---|
| 1. | 14/893,668                    | 18 MARCH 2015         | SYSTEM AND METHOD FOR INFORMATION SECURITY THREAT DISRUPTION VIA A BORDER GATEWAY   |
| 2. | 14/891,621                    | 24 JULY 2015          | SYSTEM AND METHOD FOR HIGH SPEED THREAT INTELLIGENCE MANAGEMENT USING UNSUPERVISED MACHINE LEARNING AND PRIORITIZATION ALGORITHMS |
| 3. | 15/741,172                    | 24 OCTOBER 2016       | QUANTITATIVE UNIFIED ANALYTIC NEURAL NETWORKS   |

|    |            |                     |  |
|----|------------|---------------------|--|
| 4. | 10/488,657 | 4 SEPTEMBER<br>2001 | COMPUTER SECURITY EVENT<br>MANAGEMENT SYSTEM |
|----|------------|---------------------|--|

**15. Brunei Patent Applications:**

|    | Patent Application No. | Date of Filing      | Title of Invention                           |
|----|------------------------|---------------------|--|
| 1. | RP/31/2006             | 4 SEPTEMBER<br>2001 | COMPUTER SECURITY EVENT<br>MANAGEMENT SYSTEM |

In witness whereof this Agreement has been entered into on the date stated at the beginning.

The Assignor

SIGNED by \_\_\_\_\_

Name: Charles Ng Youyi

Designation: EVP, International & Professional Services, Ensign Infosecurity

for and on behalf of

ENSIGN INFOSECURITY (CYBERSECURITY) PTE. LTD.

in the presence of:

Witness' signature

Name: Wym Wu

Address: Blk Bo Bedok Nth Road, #09-284, S460080



The Assignee

SIGNED by \_\_\_\_\_

Name: PAUL CHONG KAI YEW

Designation: President & Group Chief Executive Officer

for and on behalf of

CERTIS CISCO SECURITY PTE LTD

in the presence of:

Witness' signature

Name: Tan Gek Hong

Address: 9 Selegie Square  
# 07-05  
S(545075)

