

| |
|--------------------------------------|
| PATENT ASSIGNMENT COVER SHEET |
|--------------------------------------|

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5435084

| | |
|-----------------------------------|--------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| VIRTUAL WATCHDOG SOLUTIONS, LLC | 03/19/2019 |
| RECEIVING PARTY DATA | |
| Name: | LONGHORN HD LLC |
| Street Address: | 102 EAST CROCKETT STREET |
| City: | MARSHALL |
| State/Country: | TEXAS |
| Postal Code: | 75670 |
| PROPERTY NUMBERS Total: 18 | |
| Property Type | Number |
| Patent Number: | 7343421 |
| Patent Number: | 7739401 |
| Patent Number: | 8489764 |
| Patent Number: | 6643778 |
| Patent Number: | 6421732 |
| Patent Number: | 6954790 |
| Patent Number: | 6735701 |
| Patent Number: | 7231668 |
| Patent Number: | 7917938 |
| Patent Number: | 8381305 |
| Patent Number: | 8756653 |
| Patent Number: | 7017186 |
| Patent Number: | 7260846 |
| Patent Number: | 6892317 |
| Application Number: | 12025723 |
| Application Number: | 60098205 |
| PCT Number: | US9913998 |
| PCT Number: | US0323877 |
| CORRESPONDENCE DATA | |

Fax Number: (617)856-8201

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 617-856-8145

Email: ip@brownrudnick.com

Correspondent Name: BROWN RUDNICK LLP

Address Line 1: ONE FINANCIAL CENTER

Address Line 4: BOSTON, MASSACHUSETTS 02111

| | |
|--------------------------------|-------------|
| ATTORNEY DOCKET NUMBER: | 034656.0001 |
|--------------------------------|-------------|

| | |
|---------------------------|------------------|
| NAME OF SUBMITTER: | MARK S. LEONARDO |
|---------------------------|------------------|

| | |
|-------------------|--------------------|
| SIGNATURE: | /MARK S. LEONARDO/ |
|-------------------|--------------------|

| | |
|---------------------|------------|
| DATE SIGNED: | 03/21/2019 |
|---------------------|------------|

Total Attachments: 5

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Virtual Watchdog Solutions, LLC, a Delaware limited liability company with an address at 919 North Market Street, Suite 950, Wilmington, DE 19801 ("*Assignor*"), does hereby sell, assign, transfer, and convey unto Longhorn HD LLC, a Texas limited liability company with an address at 102 East Crockett Street, Marshall, TX 75670 ("*Assignee*"), all of Assignor's right, title, and interest in and to the following (collectively, the "*Assigned Patent Rights*"):

- (a) the patents and patent applications listed in the table below (the "*Patents*");

| <u>Patent/ Application Number</u> | <u>Country</u> | <u>Issue Date/ Filing Date</u> | <u>Title of Patent and Inventors</u> |
|---------------------------------------|----------------|------------------------------------|---|
| 7343421 (09/503975) | US | 3/11/2008 (2/14/2000) | Restricting Communication of Selected Processes to a Set of Specific Network Addresses Pawan Goyal |
| 7739401 (12/025727) | US | 6/15/2010 (2/4/2008) | Restricting Communication of Selected Processes to a Set of Specific Network Addresses Pawan Goyal |
| 8489764 (12/772982) | US | 7/16/2013 (5/3/2010) | Restricting Communication of Selected Processes to a Set of Specific Network Addresses Pawan Goyal |
| 6643778 (09/280453) | US | 11/4/2003 (3/30/1999) | NETWORK SYSTEM USING A FIREWALL DYNAMIC CONTROL METHOD Osamu Nakazawa |
| 6421732 (09/167709) | US | 7/16/2002 (10/6/1998) | IPNET GATEWAY Hasan S. Alkhatib; Bruce C. Wootton |
| 6954790 (09/729199) | US | 10/11/2005 (12/5/2000) | NETWORK-BASED MOBILE WORKGROUP SYSTEM Jan Forsl w |
| 6735701 (09/104946) | US | 5/11/2004 (6/25/1998) | Network policy management and effectiveness system Andrea M. Jacobson |

| <u>Patent/ Application Number</u> | <u>Country</u> | <u>Issue Date/ Filing Date</u> | <u>Title of Patent and Inventors</u> |
|---------------------------------------|----------------|------------------------------------|--|
| DE69927027.8 (DE69927027.8) | DE | 8/31/2005 (6/21/1999) | NETWORK POLICY MANAGEMENT AND EFFECTIVENESS SYSTEM Jacobson, Andrea M. |
| FR1090492 (FR99930510.5) | FR | 8/31/2005 (6/21/1999) | NETWORK POLICY MANAGEMENT AND EFFECTIVENESS SYSTEM Jacobson, Andrea M. |
| GB1090492 (GB99930510.5) | GB | 8/31/2005 (6/21/1999) | NETWORK POLICY MANAGEMENT AND EFFECTIVENESS SYSTEM Jacobson, Andrea M. |
| 7231668 (10/815092) | US | 6/12/2007 (3/31/2004) | Network policy management and effectiveness system Andrea M. Jacobson |
| 7917938 (11/743590) | US | 3/29/2011 (5/2/2007) | Network Policy Management and Effectiveness System Andrea M. Jacobson |
| 8381305 (12/913576) | US | 2/19/2013 (10/27/2010) | Network Policy Management and Effectiveness System Andrea M. Jacobson |
| 8756653 (13/770778) | US | 6/17/2014 (2/19/2013) | Network policy management and effectiveness system Andrea Jacobson |
| 7017186 (10/208485) | US | 3/21/2006 (7/30/2002) | Intrusion detection system using self-organizing clusters Christopher W. Day |
| 7260846 (11/367950) | US | 8/21/2007 (3/3/2006) | Intrusion detection system Christopher W. Day |

| <u>Patent/ Application Number</u> | <u>Country</u> | <u>Issue Date/ Filing Date</u> | <u>Title of Patent and Inventors</u> |
|---------------------------------------|----------------|------------------------------------|---|
| 6892317 (09/464597) | US | 5/10/2005 (12/16/1999) | Systems and methods for failure prediction, diagnosis and remediation using data acquisition and feedback for a distributed electronic system Meera Sampath; Charles P. Coleman; Tracy E. Thieret; Ronald M. Rockwell; Charles B. Duke |
| 12/025723 | US | 2/4/2008 | RESTRICTING COMMUNICATION OF SELECTED PROCESSES TO A SET OF SPECIFIC NETWORK ADDRESSES Pawan Goyal |
| JP10-302715 | JP | 10/23/1998 | NETWORK SYSTEM USING FIRE WALL DYNAMIC CONTROL SYSTEM NAKAZAWA OSAMU |
| 60/098205 | US | 8/27/1998 | IPNET GATEWAY Hasan S. Alkhatib; Bruce C. Wootton |
| PCT/US1999/013998 | WO | 6/21/1999 | NETWORK POLICY MANAGEMENT AND EFFECTIVENESS SYSTEM Andrea M. Jacobson |
| EP1090492 (EP99930510.5) | EP | 8/31/2005 (6/21/1999) | NETWORK POLICY MANAGEMENT AND EFFECTIVENESS SYSTEM JACOBSON ANDREA M |
| IE1090492 (IE99930510.5) | IE | 8/31/2005 (6/21/1999) | NETWORK POLICY MANAGEMENT AND EFFECTIVENESS SYSTEM Jacobson, Andrea M. |
| PCT/US2003/023877 | WO | 7/30/2003 | Intrusion detection system Christopher W. Day |

| <u>Patent/ Application Number</u> | <u>Country</u> | <u>Issue Date/ Filing Date</u> | <u>Title of Patent and Inventors</u> |
|---------------------------------------|----------------|------------------------------------|---|
| EP00311190.3 | EP | 12/14/2000 | Systems and methods for failure prediction, diagnosis and remediation using data acquisition and feedback for a distributed electronic system Meera Sampath; Ronald M. Rockwell; Tracy E. Thieret; Charles B. Duke; Charles P. Coleman |
| JP2000-384219 | JP | 12/18/2000 | SYSTEM FOR PREDICTING, DIAGNOSING AND REPAIRING FAULT IN ELECTRONIC SYSTEM Meera Sampath; Ronald M. Rockwell; Tracy E. Thieret; Charles B. Duke; Charles P. Coleman |

(b) any reissues, reexaminations, extensions, continuations, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any of the Patents and any patents or patent applications which correspond to or claim priority to any of the foregoing, and all foreign counterparts of the foregoing;

(c) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patents; and

(d) causes of action and enforcement rights of any kind under, or on account of, any of the Patents and/or any of the items described in either of the foregoing categories (b) or (c), including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain monetary damages and any other remedies of any kind for past, current and future infringement.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein. This Assignment of Patent Rights will inure for the benefit of any permitted successors or assigns of Assignee.

Assignor will, at the reasonable request of Assignee, take all reasonable steps necessary and proper, to confirm the assignment to Assignee of the Assigned Patent Rights pursuant to this Assignment of Patent Rights, including without limitation, the execution, acknowledgment, and

recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining and perfecting the Assigned Patent Rights

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on March 19, 2019.

ASSIGNOR:

Virtual Watchdog Solutions, LLC

By: 

Name: Thomas Schweitzer

Title: Manager