PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5632758

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
OWL CYBER DEFENSE SOLUTIONS, LLC	07/23/2019

RECEIVING PARTY DATA

Name:	BANK OF AMERICA, N.A.
Street Address:	8300 GREENSBORO DRIVE
City:	MCLEAN
State/Country:	VIRGINIA
Postal Code:	22102

PROPERTY NUMBERS Total: 17

Property Type	Number
Patent Number:	9575987
Patent Number:	9596245
Patent Number:	9641499
Patent Number:	9678921
Patent Number:	9680794
Patent Number:	9712543
Patent Number:	9736121
Patent Number:	9853918
Patent Number:	9880869
Patent Number:	9894083
Patent Number:	10142289
Patent Number:	10171422
Patent Number:	10218586
Application Number:	16127439
Application Number:	16166825
Application Number:	62825164
Application Number:	62837321

CORRESPONDENCE DATA

Fax Number: (404)885-3900

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent PATENT

REEL: 049838 FRAME: 0202 505585959

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email:rusty.close@troutman.comCorrespondent Name:CHRISTOPHER CLOSEAddress Line 1:TROUTMAN SANDERS LLP

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ATTORNEY DOCKET NUMBER:	200207.000094
NAME OF SUBMITTER:	CHRISTOPHER C CLOSE, JR.
SIGNATURE:	/Christopher C. Close Jr./
DATE SIGNED:	07/23/2019

Total Attachments: 4

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PATENT REEL: 049838 FRAME: 0203 NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

Please be advised that pursuant to the Amended and Restated Security and Pledge Agreement dated as of January 31, 2017 (as amended, modified, extended, restated, renewed, replaced, or supplemented from time to time, the "Agreement") by and among the Grantors party thereto (each a "Grantor" and collectively, the "Grantors") and Bank of America, N.A., as administrative agent (the "Administrative Agent") for the Secured Parties referenced therein, the undersigned Grantor has granted a continuing security interest in and continuing lien upon the patents and patent applications shown on Schedule 1 attached hereto to the Administrative Agent for the ratable benefit of the Secured Parties.

The undersigned Grantor and the Administrative Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (a) may only be terminated in accordance with the terms of the Agreement and (b) is not to be construed as an assignment of any patent or patent application.

[SIGNATURE PAGE FOLLOWS]

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PATENT REEL: 049838 FRAME: 0204 Very truly yours,

OWL CYBER DEFENSE SOLUTIONS, LLC

Name: Thomas J. Campbell

Title: Chairman

Acknowledged and Accepted:

BANK OF AMERICA, N.A., as Administrative Agent

By:_____

Name: Monica Sevila

Title: Senior Vice President

Very truly yours,
OWL CYBER DEFENSE SOLUTIONS, LLC
By:
Name: Thomas J. Campbell Title: Chairman

Acknowledged and Accepted:

BANK OF AMERICA, N.A., as Administrative Agent

Name: Monica Sevila

Title: Senior Vice President

Schedule 1

Patents:

Nature Of The Identified Registered Business Intellectual Property	Owner Or Applicant	Registration Or Application Number	Date Of Issuance
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,575,987	2/21/2017
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,596,245	3/14/2017
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,641,499	5/2/2017
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,678,921	6/13/2017
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,680,794	6/13/2017
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,712,543	7/18/2017
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,736,121	8/15/2017
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,853,918	12/26/2017
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,880,869	1/30/2018
U.S. Patent	Owl Cyber Defense Solutions, LLC	9,894,083	2/13/2018
U.S. Patent	Owl Cyber Defense Solutions, LLC	10,142,289	11/27/2018
U.S. Patent	Owl Cyber Defense Solutions, LLC	10,171,422	1/1/2019
U.S. Patent	Owl Cyber Defense Solutions, LLC	10,218,586	2/26/2019

Patent Applications:

Nature Of The	Owner Or Applicant	Registration Or Application	ition Date Of	
Identified Registered Business Intellectual Property		Number	Issuance	
U.S. Patent Application	Owl Cyber Defense Solutions, LLC	16/127,439	N/A	
U.S. Patent Application	Owl Cyber Defense Solutions, LLC	16/166,825	N/A	
U.S. Patent Application	Owl Cyber Defense Solutions, LLC	62/825,164	N/A	
U.S. Patent Application	Owl Cyber Defense Solutions, LLC	62/837.321	N/A	

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RECORDED: 07/23/2019

PATENT REEL: 049838 FRAME: 0207