

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI488086

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
OWL CYBER DEFENSE SOLUTIONS, LLC		09/11/2024
RECEIVING PARTY DATA		
Company Name:	RGA REINSURANCE COMPANY	
Street Address:	16600 Swingley Ridge Road	
City:	Chesterfield	
State/Country:	MISSOURI	
Postal Code:	63017	
PROPERTY NUMBERS Total: 46		
Property Type	Number	
Patent Number:	8068415	
Patent Number:	7675867	
Patent Number:	8352450	
Patent Number:	7941526	
Patent Number:	8139581	
Patent Number:	7992209	
Patent Number:	8068504	
Patent Number:	9305189	
Patent Number:	9081520	
Patent Number:	8266689	
Patent Number:	8732453	
Patent Number:	8498206	
Patent Number:	8646094	
Patent Number:	8516580	
Patent Number:	8565237	
Patent Number:	9678921	
Patent Number:	8353022	
Patent Number:	8938795	
Patent Number:	8887276	
Patent Number:	8831222	

Property Type	Number
Patent Number:	8997202
Patent Number:	9680794
Patent Number:	9380023
Patent Number:	9065878
Patent Number:	9712543
Patent Number:	9736121
Patent Number:	8776254
Patent Number:	10218586
Patent Number:	9306953
Patent Number:	9094401
Patent Number:	9596245
Patent Number:	8898227
Patent Number:	9641499
Patent Number:	9380064
Patent Number:	9088558
Patent Number:	9088539
Patent Number:	9311329
Patent Number:	9894083
Patent Number:	9575987
Patent Number:	9853918
Patent Number:	9880869
Patent Number:	9282102
Patent Number:	10171422
Patent Number:	10142289
Patent Number:	10990737
Application Number:	17212610

CORRESPONDENCE DATA

Fax Number: 4123556501

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.

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Correspondent Name: Amanda Kernan

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Address Line 2: K&L GATES CENTER

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

NAME OF SUBMITTER:	Amanda Kernan
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SIGNATURE:	Amanda Kernan
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DATE SIGNED:	09/11/2024
Total Attachments: 7 source=Project Owl - Patent Security Agreement Executed#page1.tiff source=Project Owl - Patent Security Agreement Executed#page2.tiff source=Project Owl - Patent Security Agreement Executed#page3.tiff source=Project Owl - Patent Security Agreement Executed#page4.tiff source=Project Owl - Patent Security Agreement Executed#page5.tiff source=Project Owl - Patent Security Agreement Executed#page6.tiff source=Project Owl - Patent Security Agreement Executed#page7.tiff	

NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

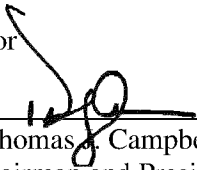
Please be advised that pursuant to the Security and Pledge Agreement dated as of September 11, 2024 (as the same may be amended, modified, extended or restated from time to time, the “Agreement”) by and among the Obligors party thereto (each an “Obligor” and collectively, the “Obligors”) and **RG**A **REINSURANCE COMPANY**, as administrative agent (the “Administrative Agent”) for the holders of the Obligations referenced therein, the undersigned Obligor, **OWL CYBER DEFENSE SOLUTIONS, LLC** has granted a continuing security interest in, and a right to set off against, any and all right, title and interest of such Obligor in and to the patents and patent applications set forth on Schedule 1 hereto to the Administrative Agent for the ratable benefit of the holders of the Obligations.

The undersigned Obligor and the Administrative Agent, on behalf of the holders of the Obligations, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (i) may only be terminated in accordance with the terms of the Agreement and (ii) is not to be construed as an assignment of any trademark or trademark application.

[SIGNATURE PAGES FOLLOW]

Very truly yours,

**OWL CYBER DEFENSE SOLUTIONS,
LLC,**
as Grantor

By:  _____
Name: Thomas J. Campbell
Title: Chairman and President

Acknowledged and Accepted:

RGA REINSURANCE COMPANY,
as Administrative Agent

By: Ankur Patel

Name: Ankur Patel

Title: Managing Director, Private Debt & Equity Investments

SCHEDULE I**Patents**

Owner	Title	Patent No.	Patent Date.	App. No.	App. Date
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE ONE-WAY DATA TRANSFER USING COMMUNICATION INTERFACE CIRCUITRY	8068415	2011-11-29	11787778	2007-04-18
OWL CYBER DEFENSE SOLUTIONS, LLC	ONE-WAY DATA TRANSFER SYSTEM WITH BUILT-IN DATA VERIFICATION MECHANISM	7675867	2010-03-09	11787801	2007-04-18
OWL CYBER DEFENSE SOLUTIONS, LLC	DATABASE UPDATE THROUGH A ONE-WAY DATA LINK	8352450	2013-01-08	11788077	2007-04-19
OWL CYBER DEFENSE SOLUTIONS, LLC	TRANSMISSION OF SYSLOG MESSAGES OVER A ONE-WAY DATA LINK	7941526	2011-05-10	11788156	2007-04-19
OWL CYBER DEFENSE SOLUTIONS, LLC	CONCURRENT DATA TRANSFER INVOLVING TWO OR MORE TRANSPORT LAYER PROTOCOLS OVER A SINGLE ONE-WAY DATA LINK	8139581	2012-03-20	11788157	2007-04-19
OWL CYBER DEFENSE SOLUTIONS, LLC	BILATERAL COMMUNICATION USING MULTIPLE ONE-WAY DATA LINKS	7992209	2011-08-02	11879968	2007-07-19
OWL CYBER DEFENSE SOLUTIONS, LLC	ONE-WAY ROUTER	8068504	2011-11-29	12467665	2009-05-18
OWL CYBER DEFENSE SOLUTIONS, LLC	RUGGEDIZED, COMPACT AND INTEGRATED ONE-WAY CONTROLLED INTERFACE TO ENFORCE CONFIDENTIALITY OF A SECURE ENCLAVE	9305189	2016-04-05	12760162	2010-04-14
OWL CYBER DEFENSE SOLUTIONS, LLC	REMOTE PRINT FILE TRANSFER AND SPOOLING APPLICATION FOR USE WITH A ONE-WAY DATA LINK	9081520	2015-07-14	12975890	2010-12-22
OWL CYBER DEFENSE SOLUTIONS, LLC	BILATERAL COMMUNICATION USING MULTIPLE ONE-WAY DATA LINKS	8266689	2012-09-11	13167932	2011-06-24
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE ACKNOWLEDGMENT DEVICE FOR ONE-WAY DATA TRANSFER SYSTEM	8732453	2014-05-20	13183208	2011-07-14
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE ONE-WAY DATA TRANSFER SYSTEM USING NETWORK INTERFACE CIRCUITRY	8498206	2013-07-30	13280036	2011-10-24

Owner	Title	Patent No.	Patent Date.	App. No.	App. Date
OWL CYBER DEFENSE SOLUTIONS, LLC	METHOD AND APPARATUS FOR PREVENTING UNAUTHORIZED ACCESS TO INFORMATION STORED IN A NON-VOLATILE MEMORY	8646094	2014-02-04	13314167	2011-12-07
OWL CYBER DEFENSE SOLUTIONS, LLC	METHOD AND SYSTEM FOR PROCESSING A FILE TO IDENTIFY UNEXPECTED FILE TYPES	8516580	2013-08-20	13095207	2011-04-27
OWL CYBER DEFENSE SOLUTIONS, LLC	CONCURRENT DATA TRANSFER INVOLVING TWO OR MORE TRANSPORT LAYER PROTOCOLS OVER A SINGLE ONE-WAY DATA LINK	8565237	2013-10-22	13369065	2012-02-08
OWL CYBER DEFENSE SOLUTIONS, LLC	METHOD AND APPARATUS FOR DATA TRANSFER RECONCILIATION	9678921	2017-06-13	13425953	2012-03-21
OWL CYBER DEFENSE SOLUTIONS, LLC	BILATERAL COMMUNICATION USING MULTIPLE ONE-WAY DATA LINKS	8353022	2013-01-08	13488028	2012-06-04
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM FOR REAL-TIME CROSS-DOMAIN SYSTEM PACKET FILTERING	8938795	2015-01-20	13680468	2012-11-19
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM FOR PROVIDING A SECURE VIDEO DISPLAY	8887276	2014-11-11	13683111	2012-11-21
OWL CYBER DEFENSE SOLUTIONS, LLC	BILATERAL COMMUNICATION USING MULTIPLE ONE-WAY DATA LINKS	8831222	2014-09-09	13705885	2012-12-05
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM FOR SECURE TRANSFER OF INFORMATION FROM AN INDUSTRIAL CONTROL SYSTEM NETWORK	8997202	2015-03-31	13707082	2012-12-06
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE ONE-WAY INTERFACE FOR ARCHESTRA DATA TRANSFER	9680794	2017-06-13	14017909	2013-09-04
OWL CYBER DEFENSE SOLUTIONS, LLC	ENTERPRISE CROSS-DOMAIN SOLUTION HAVING CONFIGURABLE DATA FILTERS	9380023	2016-06-28	14018085	2013-09-04
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM AND METHOD FOR PROVIDING A REMOTE VIRTUAL SCREEN VIEW	9065878	2015-06-23	13742902	2013-01-16
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM FOR REMOTELY MONITORING STATUS INFORMATION OF DEVICES CONNECTED TO A NETWORK	9712543	2017-07-18	13747632	2013-01-23

Owner	Title	Patent No.	Patent Date.	App. No.	App. Date
OWL CYBER DEFENSE SOLUTIONS, LLC	FILE MANIFEST FILTER FOR UNIDIRECTIONAL TRANSFER OF FILES	9736121	2017-08-15	13747771	2013-01-23
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM AND METHOD FOR THE SECURE UNIDIRECTIONAL TRANSFER OF SOFTWARE AND SOFTWARE UPDATES	8776254	2014-07-08	13748045	2013-01-23
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM AND METHOD FOR ENABLING THE CAPTURE AND SECURING OF DYNAMICALLY SELECTED DIGITAL INFORMATION	10218586	2019-02-26	13748147	2013-01-23
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM AND METHOD FOR SECURE UNIDIRECTIONAL TRANSFER OF COMMANDS TO CONTROL EQUIPMENT	9306953	2016-04-05	13770494	2013-02-19
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE FRONT-END INTERFACE	9094401	2015-07-28	13770684	2013-02-19
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE ONE-WAY INTERFACE FOR A NETWORK DEVICE	9596245	2017-03-14	13856493	2013-04-04
OWL CYBER DEFENSE SOLUTIONS, LLC	NFS STORAGE VIA MULTIPLE ONE-WAY DATA LINKS	8898227	2014-11-25	13892099	2013-05-10
OWL CYBER DEFENSE SOLUTIONS, LLC	ONE-WAY INTERFACE FOR PI TO PI DATA TRANSFER	9641499	2017-05-02	13940339	2013-07-12
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM AND METHOD FOR IMPROVING THE RESILIENCY OF WEBSITES AND WEB SERVICES	9380064	2016-06-28	13940448	2013-07-12
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE ONE-WAY INTERFACE FOR OPC DATA TRANSFER	9088558	2015-07-21	13972130	2013-08-21
OWL CYBER DEFENSE SOLUTIONS, LLC	DATA TRANSFER SYSTEM	9088539	2015-07-21	14159527	2014-01-21
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM AND METHOD FOR MODULAR AND CONTINUOUS DATA ASSURANCE	9311329	2016-04-12	14296736	2014-06-05
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM FOR PROVIDING A SECURE VIDEO DISPLAY	9894083	2018-02-13	14510395	2014-10-09
OWL CYBER DEFENSE SOLUTIONS, LLC	SYSTEM AND METHOD FOR PROVIDING ASSURED DATABASE UPDATES VIA A ONE-WAY DATA LINK	9575987	2017-02-21	14567355	2014-12-11
OWL CYBER DEFENSE SOLUTIONS, LLC	ONE-WAY NETWORK INTERFACE	9853918	2017-12-26	14666508	2015-03-24

Owner	Title	Patent No.	Patent Date.	App. No.	App. Date
OWL CYBER DEFENSE SOLUTIONS, LLC	SINGLE COMPUTER-BASED VIRTUAL CROSS-DOMAIN SOLUTIONS	9880869	2018-01-30	14712476	2015-05-14
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE FRONT-END INTERFACE	9282102	2016-03-08	14747590	2015-06-23
OWL CYBER DEFENSE SOLUTIONS, LLC	DYNAMICALLY CONFIGURABLE PACKET FILTER	10171422	2019-01-01	15098841	2016-04-14
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE INTERFACE FOR A MOBILE COMMUNICATIONS DEVICE	10142289	2018-11-27	15937767	2018-03-27
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE ONE-WAY NETWORK GATEWAY	10990737	2021-04-27	16854131	2020-04-21
OWL CYBER DEFENSE SOLUTIONS, LLC	SECURE ONE-WAY NETWORK GATEWAY	N/A	N/A	17212610	2021-03-25