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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI521561

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| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the Receiving Party Data Company Name previously recorded on Reel 67566 Frame 797. Assignor(s) hereby confirms the Assignment. |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| QOMPLX, Inc. | 08/10/2023 |

RECEIVING PARTY DATA

| | |
|------------------------|-------------|
| Company Name: | QPX LLC |
| Street Address: | 111 8TH AVE |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10011 |

PROPERTY NUMBERS Total: 10

| Property Type | Number |
|---------------------|----------|
| Application Number: | 18488968 |
| Application Number: | 18497243 |
| Application Number: | 18460667 |
| Application Number: | 18506973 |
| Application Number: | 18444770 |
| Application Number: | 18622996 |
| Application Number: | 18639844 |
| Application Number: | 18633486 |
| Application Number: | 18653991 |
| Application Number: | 18593909 |

CORRESPONDENCE DATA

Fax Number:

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: 3606746233
Email: ASSIGNMENTS@GALVINPATENTLAW.COM
Correspondent Name: BRIAN GALVIN
Address Line 1: 2916 NW BUCKLIN HILL RD
Address Line 2: SUITE 485
Address Line 4: SILVERDALE, WASHINGTON 98383

PATENT

| | |
|--------------------------------|---------------|
| ATTORNEY DOCKET NUMBER: | QPX - Various |
| NAME OF SUBMITTER: | Aura Morrey |
| SIGNATURE: | Aura Morrey |
| DATE SIGNED: | 09/25/2024 |

Total Attachments: 28

source=240925_QOMPLX to QPX_Asset Purchase Agreement_Cover Letter filed 5.29.2024_AS_FILED#page1.tiff
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI263835

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|-----------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| QOMPLX, Inc. | 08/10/2023 |

RECEIVING PARTY DATA

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|-----------------|-------------------------------|-------|
| Company Name: | QOMPLX LLC QPX LLC | /BRG/ |
| Street Address: | 111 8TH AVE | |
| City: | NEW YORK | |
| State/Country: | NEW YORK | |
| Postal Code: | 10011 | |

PROPERTY NUMBERS Total: 10

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| Application Number: | 18488968 |
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| Application Number: | 18506973 |
| Application Number: | 18444770 |
| Application Number: | 18622996 |
| Application Number: | 18639844 |
| Application Number: | 18633486 |
| Application Number: | 18653991 |
| Application Number: | 18593909 |

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Phone: 3606746233
 Email: ASSIGNMENTS@GALVINPATENTLAW.COM
 Correspondent Name: BRIAN GALVIN
 Address Line 1: 2916 NW BUCKLIN HILL RD
 Address Line 2: SUITE 485
 Address Line 4: SILVERDALE, WASHINGTON 98383

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|--------------------|-------------|
| NAME OF SUBMITTER: | Aura Morrey |
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PATENT
 REEL: 069048 FRAME: 0589

GALVIN PATENT LAW LLC

2916 NW Bucklin Hill Rd, Suite 485
Silverdale, WA 98383
(360) 674-6233 (Office)

May 29, 2024

Commissioner for Patents
Assignment Branch
PO Box 1450
Alexandria, VA 22313-1450

Re: Request to Assign Ownership of Patents from QOMPLX, Inc. to QPX LLC

Dear Commissioner:

Galvin Patent Law LLC, on behalf of Applicant, hereby notifies you that QOMPLX, Inc. has entered into an Asset Purchase Agreement, dated August 10, 2023, in which certain Assets were sold, including the listed Patent Rights, as outlined in the Asset Purchase Agreement (attached herewith).

Each application cited in Attachment A herein is a reissue, reexamination, extension, continuation, continuation in part, continuing prosecution application, request for continuing examination, divisional, or registration, of a patent application or patent listed in the table found in category (a) of the Patent Assignment.

Applicant submits the executed Patent Assignment between QOMPLX, Inc. and QPX LLC and requests that the patent applications be assigned to QPX LLC in accordance with the terms of the executed Asset Purchase Agreement.

Warm Regards,

/BRIAN R. GALVIN/

Brian R. Galvin
Reg. Num. 50,966

Attachment

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|-------------------|-----|-----------|---|
| PCT/US2021/048518 | PCT | 8/31/2021 | System and method for secure evaluation of cyber detection products |
|-------------------|-----|-----------|---|

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisionals, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, foreign patent applications, and foreign counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (d), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(f) causes of action (whether known or unknown or whether currently pending, filed, or otherwise) on account of any of the Patents and/or any item in any of the foregoing categories (b) through (e), including, without limitation, all causes of action and other enforcement rights for

- (1) damages,
- (2) injunctive relief, and
- (3) any other remedies of any kind

for past, current, and future infringement; and

(g) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (f).

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction in which any Patent Rights exist to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, 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, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Patent Assignment will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

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IN WITNESS WHEREOF this Patent Assignment is executed by the Assignor as of the Effective Date.

ASSIGNOR:

QOMPLX, INC.

By:

Name:

Title:

(Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Jason Crabtree to the above Patent Assignment on behalf of Qomplx Inc. and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Jason Crabtree is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 9 Aug, 2023 to execute the above Patent Assignment on behalf of Qomplx Inc.
3. Jason Crabtree subscribed to the above Patent Assignment on behalf of Qomplx Inc.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 9 August 2023 (date)

Richard Kelley

Print Name: Richard Kelley

IN WITNESS WHEREOF this Patent Assignment is acknowledged by Assignee as of the Effective Date.


ACKNOWLEDGEMENT BY ASSIGNEE:

QPX LLC

By:

Name:

Title:



Erez Levy

Manager

[Assignee Signature Page of Patent Assignment]

PATENT
REEL: 069048 FRAME: 0593

ATTACHMENT A

| Serial No | Docket No. | Title | Filing Date |
|------------------|-------------------|--|--------------------|
| 18/488,968 | 15235FT | Parametric Analysis of Integrated Operational and Information Technology Systems | 10/17/2023 |
| 18/497,243 | 15239FT | Highly Scalable Four-Dimensional Geospatial Data System for Simulated Worlds | 10/30/2023 |
| 18/460,667 | 15240 | System and Method for Comprehensive Data Loss Prevention and Compliance Management | 9/04/2023 |
| 18/506,973 | 15241FT | High-Performance, Dynamically Specifiable Knowledge Graph System and Methods | 11/10/2023 |
| 18/444,770 | 15266 | System and Method for Manipulation of Secure Data | 2/19/2024 |
| 18/622,996 | 15274 | Cybersecurity Analysis and Protection Using Distributed Systems | 3/31/2024 |
| 18/639,844 | 15275 | Detection and Mitigation of Data Compromises in Adversarial Environments | 4/18/2024 |
| 18/633,486 | 15276 | Removing Biases Within a Distributed Model | 4/11/2024 |
| 18/653,991 | 15291 | Automatically Computing and Improving a Cybersecurity Risk Score | 5/03/2024 |
| 18/593,909 | 15303 | Cybersecurity Reconnaissance, Analysis, and Scoring Using Distributed Systems | 3/02/2024 |

Patent Assignment

This Patent Assignment (this "Patent Assignment") is entered into as of this 10th day of August, 2023 (the "Effective Date"), by and between among QOMPLX, Inc., a Delaware corporation ("Assignor"), and QPX LLC, a New York limited liability company ("Assignee").

WHEREAS, Assignor and Assignee entered into that certain Asset Purchase Agreement, dated as of August 10, 2023, (the "Purchase Agreement"), pursuant to which Assignor is selling to Assignee certain Assets (as defined in the Purchase Agreement), including the Patent Rights (as defined below); and

WHEREAS, under the Purchase Agreement, Assignor and Assignee have agreed to enter in this Patent Assignment to transfer and assign to Assignee all of Assignor's right, title and interest in and to the Patent Rights.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

For good and valuable consideration, including as set forth in the Purchase Agreement, the receipt and sufficiency of which are hereby acknowledged, as of the Effective Date, Assignor does hereby sell, assign, transfer, and convey unto Assignee, or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"), free and clear of all liens, claims and encumbrances other than those Assignee has expressly agreed in writing will continue to encumber the Patent Rights after execution and delivery of this Patent Assignment:

(a) the provisional patent applications, patent applications and patents listed in the table below (the "Patents");

| Application No. | Country | Filing Date | Title of Patent & First Named Inventor |
|-----------------|---------|-------------|--|
| 14/925,974 | USA | 10/28/2015 | Rapid Predictive Analysis Of Very Large Data Sets Using The Distributed Computational Graph; Jason Crabtree |
| 14/986,536 | USA | 12/31/2015 | Distributed System For Large Volume Deep Web Data Extraction; Jason Crabtree |
| 15/091,563 | USA | 4/5/2016 | System For Capture, Analysis And Storage Of Time Series Data From Sensors With Heterogeneous Report Interval Profiles; Jason Crabtree |
| 15/141,752 | USA | 4/26/2016 | System For Fully Integrated Capture, And Analysis Of Business Information Resulting In Predictive Decision Making And Simulation; Jason Crabtree |
| 15/166,158 | USA | 5/26/2016 | System For Automated Capture And Analysis Of Business Information For Security And Client-Facing Infrastructure Reliability; Jason Crabtree |

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|------------|--------|------------|--|
| 15/186,453 | USA | 6/18/2016 | System For Automated Capture And Analysis Of Business Information For Reliable Business Venture Outcome Prediction; Jason Crabtree |
| 15/206,195 | USA | 7/8/2016 | Accurate And Detailed Modeling Of Systems With Large Complex Datasets Using A Distributed Simulation Engine; Jason Crabtree |
| 15/229,476 | USA | 8/5/2016 | Highly Scalable Distributed Connection Interface For Data Capture From Multiple Network Service Sources; Jason Crabtree |
| 15/237,625 | USA | 8/15/2016 | Detection Mitigation And Remediation Of Cyberattacks Employing An Advanced Cyber-Decision Platform; Jason Crabtree |
| 15/343,209 | USA | 11/4/2016 | Risk Quantification For Insurance Process Management Employing An Advanced Decision Platform; Jason Crabtree |
| 15/376,657 | USA | 12/13/2016 | Quantification For Investment Vehicle Management Employing An Advanced Decision Platform; Jason Crabtree |
| 15/379,899 | USA | 12/15/2016 | Inclusion Of Time Series Geospatial Markers In Analyses Employing An Advanced Cyber-Decision Platform; Jason Crabtree |
| 15/409,510 | USA | 1/18/2017 | Multi-Corporation Venture Plan Validation Employing An Advanced Decision Platform; Jason Crabtree |
| 15/489,716 | USA | 4/17/2017 | Regulation Based Switching System For Electronic Message Routing; Jason Crabtree |
| 15/616,427 | USA | 6/7/2017 | Rapid Predictive Analysis Of Very Large Data Sets Using An Actor-Driven Distributed Computational Graph; Jason Crabtree |
| 15/655,113 | USA | 7/20/2017 | Advanced Cybersecurity Threat Mitigation Using Behavioral And Deep Analytics; Jason Crabtree |
| 17837821.2 | Europe | 8/7/2017 | Detection Mitigation And Remediation Of Cyberattacks Employing An Advanced Cyber-Decision Platform; Jason Crabtree |
| 15/673,368 | USA | 8/9/2017 | Automated Selection And Processing Of Financial Models; Jason Crabtree |
| 15/678,089 | USA | 8/15/2017 | Cybersecurity Profile Generated Using A Simulation Engine; Jason Crabtree |
| 15/683,765 | USA | 8/22/2017 | Predictive Load Balancing For A Digital Environment; Jason Crabtree |

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|------------|-----|------------|---|
| 15/696,367 | USA | 9/6/2017 | Advanced Cybersecurity Threat Mitigation For Inter-Bank Financial Transactions; Jason Crabtree |
| 15/725,274 | USA | 10/4/2017 | Application Of Advanced Cybersecurity Threat Mitigation To Rogue Devices, Privilege Escalation, And Risk-Based Vulnerability And Patch Management; Jason Crabtree |
| 15/787,601 | USA | 10/18/2017 | Method And Apparatus For Crowdsourced Data Gathering, Extraction, And Compensation; Jason Crabtree |
| 15/788,002 | USA | 10/19/2017 | Algorithm Monetization And Exchange Platform; Jason Crabtree |
| 15/788,718 | USA | 10/19/2017 | Data Monetization And Exchange Platform; Jason Crabtree |
| 15/818,733 | USA | 10/20/2017 | A System And Method For Cybersecurity Analysis And Score Generation For Insurance Purposes; Jason Crabtree |
| 15/790,206 | USA | 10/23/2017 | Multitemporal Data Analysis; Jason Crabtree |
| 15/790,327 | USA | 10/23/2017 | Improving A Distributable Model With Distributed Data; Jason Crabtree |
| 15/790,457 | USA | 10/23/2017 | Improving A Distributable Model With Biases Contained Within Distributed Data; Jason Crabtree |
| 15/790,860 | USA | 10/23/2017 | Contextual And Risk-Based Multi-Factor Authentication; Jason Crabtree |
| 15/791,058 | USA | 10/23/2017 | Automated Cyber Physical Threat Campaign Analysis And Attribution; Jason Crabtree |
| 15/806,697 | USA | 11/8/2017 | Modeling Multi-Peril Catastrophe Using A Distributed Simulation Engine; Jason Crabtree |
| 15/813,097 | USA | 11/14/2017 | Epistemic Uncertainty Reduction Using Simulations, Models And Data Exchange; Jason Crabtree |
| 15/815,502 | USA | 11/16/2017 | Platform For Autonomous Management Of Risk Transfer; Jason Crabtree |
| 15/823,285 | USA | 11/27/2017 | Meta-Indexing, Search, Compliance, And Test Framework For Software Development; Jason Crabtree |
| 15/823,363 | USA | 11/27/2017 | Rating Organization Cybersecurity Using Active And |

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|--------------|--------|------------|--|
| | | | Passive External Reconnaissance; Jason Crabtree |
| 15/825,350 | USA | 11/29/2017 | User And Entity Behavioral Analysis Using An Advanced Cyber Decision Platform; Jason Crabtree |
| 15/835,312 | USA | 12/7/2017 | A System And Methods For Multi-Language Abstract Model Creation For Digital Environment Simulations; Jason Crabtree |
| 15/835,436 | USA | 12/7/2017 | Transfer Learning And Domain Adaptation Using Distributable Data Models; Jason Crabtree |
| 15/837,845 | USA | 12/11/2017 | Detecting And Mitigating Forged Authentication Object Attacks Using An Advanced Cyber Decision Platform; Jason Crabtree |
| 15/847,443 | USA | 12/19/2017 | System And Method For Automatic Creation Of Ontological Databases And Semantic Searching; Jason Crabtree |
| 15/849,901 | USA | 12/21/2017 | A System And Method For Optimization And Load Balancing Of Computer Clusters; Jason Crabtree |
| 15/850,037 | USA | 12/21/2017 | Advanced Decentralized Financial Decision Platform; Jason Crabtree |
| 18/146,966 | USA | 12/27/2022 | Advanced Detection Of Identity- based Attacks To Assure Identity Fidelity In Information Technology Environments; Jason Crabtree |
| 15/860,980 | USA | 1/3/2018 | Collaborative Algorithm Development, Deployment, And Tuning Platform; Jason Crabtree |
| 15/879,182 | USA | 1/24/2018 | Platform For Hierarchy Cooperative Computing; Jason Crabtree |
| EP19743576.1 | Europe | 1/24/2018 | Platform For Hierarchy Cooperative Computing; Jason Crabtree |
| 15/879,673 | USA | 1/25/2018 | Platform For Management Of Marketing Campaigns Across Multiple Distribution Mediums; Jason Crabtree |
| 15/879,801 | USA | 1/25/2018 | Platform For Management And Tracking Of Collaborative Projects; Jason Crabtree |
| 15/882,180 | USA | 1/29/2018 | A System And Methods For Creation Of Learning Agents In Simulated Environments; Jason Crabtree |
| 15/882,810 | USA | 1/29/2018 | System For Intellectual Property Landscape Analysis, Risk Management, And Opportunity Identification; Jason Crabtree |

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|----------------|--------|------------|--|
| 15/887,496 | USA | 2/2/2018 | A System And Methods For Sandboxed Malware Analysis And Automated Patch Development, Deployment And Validation; Jason Crabtree |
| 15/891,329 | USA | 2/7/2018 | Automated Visual Information Context And Meaning Comprehension System; Jason Crabtree |
| 18/172,213 | USA | 2/21/2023 | System And Methods For Predictive Cyber-physical Resource Management; Jason Crabtree |
| 15/904,006 | USA | 2/23/2018 | A System And Methods For Dynamic Geospatially-Referenced Cyber-Physical Infrastructure Inventory And Asset Management; Jason Crabtree |
| 18/169,203 | USA | 2/14/2023 | Detecting And Mitigating Forged Authentication Attacks Using An Advanced Cyber Decision Platform; Jason Crabtree |
| 15/905,041 | USA | 2/26/2018 | Automated Scalable Contextual Data Collection And Extraction System; Jason Crabtree |
| 18/161,862 | USA | 1/30/2023 | A System And Methods For Sandboxed Software Analysis With Automated Vulnerability Detection And Patch Development, Deployment And Validation; Jason Crabtree |
| 15/911,117 | USA | 3/4/2018 | Platform For Live Issuance And Management Of Cyber Insurance Policies; Jason Crabtree |
| 201680062967X | China | 5/17/2018 | Rapid Predictive Analysis Of Very Large Data Sets Using The Distributed Computational Graph; Jason Crabtree |
| 16861012.9 | Europe | 5/25/2018 | Rapid Predictive Analysis Of Very Large Data Sets Using The Distributed Computational Graph; Jason Crabtree |
| 201780033615.6 | China | 10/5/2018 | System For Fully Integrated Capture, And Analysis Of Business Information Resulting In Predictive Decision Making And Simulation; Jason Crabtree |
| 17779786.7 | Europe | 10/23/2018 | System For Fully Integrated Capture, And Analysis Of Business Information Resulting In Predictive Decision Making And Simulation; Jason Crabtree |
| 16/191,054 | USA | 11/14/2018 | System And Method For Comprehensive Data Loss Prevention And Compliance Management; Jason Crabtree |

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|----------------|-----------|------------|--|
| 17814277.4 | Europe | 12/13/2018 | Accurate And Detailed Modeling Of Systems With Large Complex Datasets Using A Distributed Simulation Engine; Jason Crabtree |
| 18/336,873 | USA | 6/16/2023 | Network Action Classification And Analysis Using Widely Distributed and Selectively Attributed Sensor Nodes And Cloud-based Processing |
| 201780036125.1 | China | 12/13/2018 | Accurate And Detailed Modeling Of Systems With Large Complex Datasets Using A Distributed Simulation Engine; Jason Crabtree |
| 16/248,133 | USA | 1/15/2019 | System And Method For Multi-Model Generative Simulation Modeling Of Complex Adaptive Systems; Jason Crabtree |
| 201780047021.0 | China | 1/30/2019 | Detection Mitigation And Remediation Of Cyberattacks Employing An Advanced Cyber-Decision Platform; Jason Crabtree |
| 16/267,893 | USA | 2/5/2019 | System And Methods For Complex It Process Annotation, Tracing, Analysis, And Simulation; Jason Crabtree |
| 2019231130 | Australia | 3/4/2019 | Platform For Live Issuance And Management Of Cyber Insurance Policies; Jason Crabtree |
| EP19764222.6 | Europe | 3/4/2019 | Platform For Live Issuance And Management Of Cyber Insurance Policies; Jason Crabtree |
| 2017355658 | Australia | 5/10/2019 | Quantification For Investment Vehicle Management Employing An Advanced Decision Platform; Jason Crabtree |
| 16/412,340 | USA | 5/14/2019 | System And Method For Midserver Facilitation Of Long-Haul Transport Of Telemetry For Cloud-Based Services; Jason Crabtree |
| 17867012.1 | Europe | 6/3/2019 | Quantification For Investment Vehicle Management Employing An Advanced Decision Platform; Jason Crabtree |
| 17879757.7 | Europe | 7/15/2019 | Multi-Corporation Venture Plan Validation And Inclusion Of Time Series Geospatial Markers In Analyses Employing And Advanced Decision Platform; Jason Crabtree |
| 16/575,929 | USA | 9/19/2019 | System And Method For Crowd-Sourced Refinement Of Natural Phenomenon For Risk Management And Contract Validation; Jason Crabtree |
| 16/654,309 | USA | 10/16/2019 | System And Method Automated Analysis Of Legal Documents |

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|----------------|--------|------------|---|
| | | | Within And Across Specific Fields; Jason Crabtree |
| 16/660,727 | USA | 10/22/2019 | Highly Scalable Distributed Connection Interface For Data Capture From Multiple Network Service Sources; Jason Crabtree |
| 18788373.1 | Europe | 11/3/2019 | Regulation Based Switching System For Electronic Message Routing; Jason Crabtree |
| 16/709,598 | USA | 12/10/2019 | Rapid Predictive Analysis Of Very Large Data Sets Using The Distributed Computational Graph Using Configurable Arrangement Of Processing Components; Jason Crabtree |
| 16/718,906 | USA | 12/18/2019 | Platform For Hierarchy Cooperative Computing; Jason Crabtree |
| 16/720,383 | USA | 12/19/2019 | Rating Organization Cybersecurity Using Active And Passive External Reconnaissance; Jason Crabtree |
| 18813012.4 | Europe | 1/2/2020 | Rapid Predictive Analysis Of Very Large Data Sets Using An Actor-Driven Distributed Computational Graph; Jason Crabtree |
| 201880059195.3 | China | 1/18/2020 | Advanced Cybersecurity Threat Mitigation Using Behavioral And Deep Analytics; Jason Crabtree |
| 16/777,270 | USA | 1/30/2020 | Cybersecurity Profiling And Rating Using Active And Passive External Reconnaissance; Jason Crabtree |
| 16/779,801 | USA | 2/3/2020 | Parametric Analysis Of Integrated Operational Technology Systems And Information Technology Systems; Jason Crabtree |
| 16/792,754 | USA | 2/17/2020 | Ai-Driven Defensive Cybersecurity Strategy Analysis And Recommendation System; Jason Crabtree |
| 18835963.2 | Europe | 2/18/2020 | Advanced Cybersecurity Threat Mitigation Using Behavioral And Deep Analytics; Jason Crabtree |
| 16/801,082 | USA | 2/25/2020 | Transfer Learning And Domain Adaptation Using Distributable Data Models; Jason Crabtree |
| 16/807,007 | USA | 3/2/2020 | User And Entity Behavioral Analysis With Network Topology Enhancements; Jason Crabtree |
| 18853846.6 | Europe | 3/13/2020 | Cybersecurity Profile Generated Using A Simulation Engine; Jason Crabtree |
| 16/836,717 | USA | 3/31/2020 | Holistic Computer System Cybersecurity Evaluation And Scoring; Jason Crabtree |

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| 16/837,551 | USA | 4/1/2020 | System And Method For Self-Adjusting Cybersecurity Analysis And Score Generation; Jason Crabtree |
| 18852934.1 | Europe | 4/3/2020 | Advanced Cybersecurity Threat Mitigation Using Behavioral And Deep Analytics; Jason Crabtree |
| 2018366208 | Australia | 4/17/2020 | Modeling Multi-Peril Catastrophe Using A Distributed Simulation Engine; Jason Crabtree |
| 16/855,724 | USA | 4/22/2020 | Advanced Cybersecurity Threat Mitigation Using Software Supply Chain Analysis; Jason Crabtree |
| 16/856,827 | USA | 4/23/2020 | Contextual And Risk-Based Multi-Factor Authentication; Jason Crabtree |
| 16/856,886 | USA | 4/23/2020 | Meta-Indexing, Search, Compliance, And Test Framework For Software Development; Jason Crabtree |
| 201880076853.X | China | 4/23/2020 | Platform For Autonomous Management Of Risk Transfer; Jason Crabtree |
| 16/864,133 | USA | 4/30/2020 | Multi-Tenant Knowledge Graph Databases With Dynamic Specification And Enforcement Of Ontological Data Models; Jason Crabtree |
| 2018367448 | Australia | 5/6/2020 | Epistemic Uncertainty Reduction Using Simulations, Models And Data Exchange; Jason Crabtree |
| 2018800718899 | China | 5/6/2020 | Advanced Cybersecurity Threat Mitigation Using Behavioral And Deep Analytics; Jason Crabtree |
| 15/930,063 | USA | 5/12/2020 | System And Methods For Dynamic Geospatially-Referenced Cyber-Physical Infrastructure Inventory And Asset Management; Jason Crabtree |
| 15/931,534 | USA | 5/13/2020 | Secure Policy-Controlled Processing And Auditing On Regulated Data Sets; Jason Crabtree |
| 201880076822.4 | China | 5/20/2020 | Detecting And Mitigating Forged Authentication Object Attacks Using An Advanced Cyber Decision Platform; Jason Crabtree |

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| 18871511.4 | Europe | 5/26/2020 | Platform For Autonomous Management Of Risk Transfer; Jason Crabtree |
| 16/887,304 | USA | 5/29/2020 | System And Method For Cybersecurity Reconnaissance, Analysis, And Score Generation Using Distributed Systems; Jason Crabtree |
| 16/890,745 | USA | 6/2/2020 | System And Method For Cybersecurity Analysis And Score Generation For Insurance Purposes; Jason Crabtree |
| 18876251.2 | Europe | 6/3/2020 | Modeling Multi-Peril Catastrophe Using A Distributed Simulation Engine; Jason Crabtree |
| 16/895,901 | USA | 6/8/2020 | Hybrid System For The Protection And Secure Data Transportation Of Convergent Operational Technology And Informational Technology Networks; Jason Crabtree |
| 16/896,764 | USA | 6/9/2020 | System And Method For Comprehensive Data Loss Prevention And Compliance Management; Jason Crabtree |
| 18878344.3 | Europe | 6/14/2020 | Epistemic Uncertainty Reduction Using Simulations, Models And Data Exchange First Named Inventor: Jason Crabtree |
| 16/915,176 | USA | 6/20/2020 | Risk Profiling And Rating Of Extended Relationships Using Ontological Databases; Jason Crabtree |
| 201780036125.1 | China | 6/23/2020 | Accurate and Detailed Modeling of Systems using a Distributed Simulation Engine |
| 16/910,623 | USA | 6/24/2020 | Geolocation-Aware, Cyber-Enabled Inventory And Asset Management System With Automated State Prediction Capability; Jason Crabtree |
| 16/919,231 | USA | 7/2/2020 | Automated Scalable Contextual Data Collection And Extraction System; Jason Crabtree |
| 18885094.5 | Europe | 7/6/2020 | Transfer Learning And Domain Adaptation Using Distributable Data Models; Jason Crabtree |
| 18885538.1 | Europe | 7/6/2020 | Detecting And Mitigating Forged Authentication Object Attacks Using An Advanced Cyber Decision Platform; Jason Crabtree |
| 16/928,194 | USA | 7/14/2020 | Applying Telematics To Generate Dynamic Insurance Premiums; Jason Crabtree |
| 16/930,677 | USA | 7/16/2020 | Event-Driven Natural Catastrophe Modeling And Model Refinement For Insurance And Risk Management; Jason Crabtree |

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| 18890084.9 | Europe | 7/20/2020 | System And Method For Automatic Creation Of Ontological Databases And Semantic Searching; Jason Crabtree |
| 16/945,656 | USA | 7/31/2020 | System For The Prioritization And Dynamic Presentation Of Digital Content; Jason Crabtree |
| 16/945,698 | USA | 7/31/2020 | Universal Computing Asset Registry; Jason Crabtree |
| 16/945,743 | USA | 7/31/2020 | Advanced Cybersecurity Threat Mitigation Using Behavioral And Deep Analytics; Jason Crabtree |
| 16/983,233 | USA | 8/3/2020 | Data Set Creation With Crowd-Based Reinforcement; Jason Crabtree |
| 201980014811.8 | China | 8/21/2020 | A System And Methods For Dynamic Geospatially-Referenced Cyber-Physical Infrastructure Inventory; Jason Crabtree |
| 17/000,504 | USA | 8/24/2020 | Advanced Detection Of Identity-Based Attacks To Assure Identity Fidelity In Information Technology Environments; Jason Crabtree |
| 17/001,459 | USA | 8/24/2020 | Data Set And Algorithm Validation, Bias Characterization, And Valuation; Jason Crabtree |
| 17/002,425 | USA | 8/25/2020 | Automated Scalable Contextual Data Collection And Extraction System; Jason Crabtree |
| 16/983,253 | USA | 8/30/2020 | Collaborative Database And Reputation Management In Adversarial Information Environments; Jason Crabtree |
| 17/008,276 | USA | 8/31/2020 | Privilege Assurance Of Enterprise Computer Network Environments; Jason Crabtree |
| 17/008,351 | USA | 8/31/2020 | System And Method For The Secure Evaluation Of Cyber Detection Products; Jason Crabtree |
| 17/022,372 | USA | 9/16/2020 | Method And Apparatus For Crowdsourced Data Gathering, Extraction, And Compensation; Jason Crabtree |
| 17/028,979 | USA | 9/22/2020 | A System And Methods For Sandboxed Malware Analysis And Automated Patch Development, Deployment And Validation; Jason Crabtree |
| 19758282.8 | Europe | 9/23/2020 | A System And Methods For Dynamic Geospatially-Referenced Cyber-Physical Infrastructure Inventory; Jason Crabtree |
| 17/035,029 | USA | 9/28/2020 | System And Method For Creation And Implementation Of Data Processing Workflows Using A |

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| | | | Distributed Computational Graph; Jason Crabtree |
| 17/061,195 | USA | 10/1/2020 | Crowdsourced Innovation Laboratory And Process Implementation System; Jason Crabtree |
| 17/061,828 | USA | 10/2/2020 | Method And Apparatus For Crowdsourced Data Gathering, Extraction, And Compensation; Jason Crabtree |
| 17/074,882 | USA | 10/20/2020 | Highly Scalable Distributed Connection Interface For Data Capture From Multiple Network Service And Cloud-based Sources; Jason Crabtree |
| 17/084,263 | USA | 10/29/2020 | System And Method For Analysis Of Graph Databases Using Intelligent Reasoning Systems; Jason Crabtree |
| 17/084,984 | USA | 10/30/2020 | System For Fully Integrated Predictive Decision-Making And Simulation; Jason Crabtree |
| 17/085,871 | USA | 10/30/2020 | Cybersecurity Profile Generated Using A Simulation Engine; Jason Crabtree |
| 17/088,387 | USA | 11/3/2020 | Integrated Value Chain Risk- based Profiling And Optimization; Jason Crabtree |
| 17/099,897 | USA | 11/17/2020 | A System And Method For Removing Biases Within A Distributable Model; Jason Crabtree |
| 17/102,561 | USA | 11/24/2020 | Distributable Model With Biases Contained Within Distributed Data; Jason Crabtree |
| 17/105,025 | USA | 11/25/2020 | Holistic Computer System Cybersecurity Evaluation And Scoring; Jason Crabtree |
| 17/105,075 | USA | 11/25/2020 | Data Monetization And Exchange Platform; Jason Crabtree |
| 17/106,997 | USA | 11/30/2020 | Highly Scalable Four-dimensional Web-rendering Geospatial Data System For Simulated Worlds; Jason Crabtree |
| 17/106,479 | USA | 11/30/2020 | Parametric Modeling And Simulation Of Complex Systems Using Large Datasets And Heterogenous Data Structures; Jason Crabtree |
| 17/106,809 | USA | 11/30/2020 | System And Method For Data Extraction, Processing, And Management Across Multiple Communication Platforms; Jason Crabtree |
| 17/106,853 | USA | 11/30/2020 | System And Method For Regulated Message Routing And |

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| | | | Global Policy Enforcement; Jason Crabtree |
| 17/135,389 | USA | 12/28/2020 | Highly Scalable Distributed Connection Interface For Data Capture From Multiple Network Service Sources; Jason Crabtree |
| 17/138,202 | USA | 12/30/2020 | Probe-Based Risk Analysis For Multi-Factor Authentication; Jason Crabtree |
| 17/139,701 | USA | 12/31/2020 | A System and Method for Trigger-Based Scanning of Cyber- Physical Assets; Jason Crabtree |
| 17/140,028 | USA | 1/1/2021 | A System And Method For Fingerprint-based Network Mapping Of Cyber-physical Assets; Jason Crabtree |
| 17/140,092 | USA | 1/3/2021 | Risk Analysis Using Port Scanning For Multi-factor Authentication; Jason Crabtree |
| 17/162,683 | USA | 1/29/2021 | Rating Organization Cybersecurity Using Active And Passive External Reconnaissance; Jason Crabtree |
| 17/162,759 | USA | 1/29/2021 | Highly Scalable Distributed Connection Interface For Data Capture From Multiple Network Service Sources; Jason Crabtree |
| 17/163,073 | USA | 1/29/2021 | System And Methods For Detecting And Mitigating Golden Saml Attacks Against Federated Services; Jason Crabtree |
| 17/164,802 | USA | 2/1/2021 | Rating Organization Cybersecurity Using Probe-based Network Reconnaissance Techniques; Jason Crabtree |
| 17/169,924 | USA | 2/8/2021 | Detecting And Mitigating Attacks Using Forged Authentication Objects Within A Domain; Jason Crabtree |
| 17/170,288 | USA | 2/8/2021 | Detecting And Mitigating Golden Ticket Attacks Within A Domain; Jason Crabtree |
| 17/185,477 | USA | 2/25/2021 | Platform For Live Issuance And Management Of Cyber Insurance Policies; Jason Crabtree |
| 17/185,655 | USA | 2/25/2021 | System And Methods For Integrating Datasets And Automating Transformation Workflows Using A Distributed Computational Graph; Jason Crabtree |
| 17/189,161 | USA | 3/1/2021 | Distributed Automated Planning And Execution Platform For Designing And Running Complex Processes; Jason Crabtree |
| 17/197,697 | USA | 3/10/2021 | Pathfinding In Two And Three- dimensional Spaces Using An Automated Planning Service; Jason Crabtree |

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| 17/205,853 | USA | 3/18/2021 | Enhanced Cybersecurity Using An Automated Planning Service; Jason Crabtree |
| 17/216,754 | USA | 3/30/2021 | Meta-Indexing, Search, Compliance, And Test Framework For Software Development; Jason Crabtree |
| 17/216,939 | USA | 3/30/2021 | Cybersecurity Profiling And Rating Using Active And Passive External Reconnaissance; Jason Crabtree |
| 17/217,537 | USA | 3/30/2021 | Platform For Autonomous Risk Assessment And Quantification For Cyber Insurance Policies; Jason Crabtree |
| 17/219,833 | USA | 3/31/2021 | System And Method For Self-Adjusting Cybersecurity Analysis And Score Generation; Jason Crabtree |
| 17/220,150 | USA | 4/1/2021 | Cybersecurity Risk Analysis And Anomaly Detection Using Active And Passive External Reconnaissance; Jason Crabtree |
| 17/237,346 | USA | 4/22/2021 | Correlating Network Event Anomalies Using Active And Passive External Reconnaissance To Identify Attack Information; Jason Crabtree |
| 17/238,702 | USA | 4/23/2021 | System And Method For Optimization And Load Balancing Of Computer Clusters; Jason Crabtree |
| 17/245,162 | USA | 4/30/2021 | Detecting And Mitigating Forged Authentication Object Attacks Using An Advanced Cyber Decision Platform; Jason Crabtree |
| 17/245,201 | USA | 4/30/2021 | Parametric Analysis Of Integrated Operational Technology Systems And Information Technology Systems; Jason Crabtree |
| 17/245,964 | USA | 4/30/2021 | System And Methods For Automated Internet-Scale Web Application Vulnerability Scanning And Enhanced Security Profiling; Jason Crabtree |
| 17/246,033 | USA | 4/30/2021 | A System And Method For Optimizing And Load Balancing Of Applications Using Distributed Computer Clusters; Jason Crabtree |
| 17/330,893 | USA | 5/26/2021 | Privilege Assurance Of Enterprise Computer Network Environments Using Logon Session Tracking And Logging; Jason Crabtree |
| 17/331,455 | USA | 5/26/2021 | Multitemporal Data Analysis; Jason Crabtree |

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| 17/333,251 | USA | 5/28/2021 | System And Methods For Multi-Language Abstract Model Creation For Digital Environment Simulations; Jason Crabtree |
| 17/333,259 | USA | 5/28/2021 | System And Methods For Creation Of Learning Agents In Simulated Environments; Jason Crabtree |
| 17/334,990 | USA | 5/31/2021 | Parallel Decomposition And Restoration Of Data Chunks; Jason Crabtree |
| 17/335,008 | USA | 5/31/2021 | Meta-Indexing, Search, Compliance, And Test Framework For Software Development Using Smart Contracts; Jason Crabtree |
| 17/335,009 | USA | 5/31/2021 | Network Risk Assessment For Live Issuance And Management Of Cyber Insurance Policies; Jason Crabtree |
| 17/336,108 | USA | 6/1/2021 | Automated Compliance And Testing Framework For Software Development; Jason Crabtree |
| 17/347,985 | USA | 6/15/2021 | System And Method For Creating Domain Specific Languages For Digital Environment Simulations; Jason Crabtree |
| 17/348,687 | USA | 6/15/2021 | Platform For Hierarchy Cooperative Computing Application Deployment; Jason Crabtree |
| 17/355,499 | USA | 6/23/2021 | A System And Methods For Creation And Use Of Meta-models In Simulated Environments; Jason Crabtree |
| 17/360,007 | USA | 6/28/2021 | System And Method For Crowdsensing-based Insurance Premiums; Jason Crabtree |
| 17/361,715 | USA | 6/29/2021 | Detecting And Mitigating Forged Authentication Object Attacks In Multi - Cloud Environments; Jason Crabtree |
| 17/362,590 | USA | 6/29/2021 | Privilege Assurance Of Enterprise Computer Network Environments Using Attack Path Detection And Prediction; Jason Crabtree |
| 17/363,083 | USA | 6/30/2021 | System And Method For Self-Adjusting Cybersecurity Analysis And Score Generation; Jason Crabtree |
| 17/363,222 | USA | 6/30/2021 | User And Entity Behavioral Analysis With Network Topology Enhancement; Jason Crabtree |
| 17/363,743 | USA | 6/30/2021 | Risk Quantification For Insurance Process Management Employing An Advanced Decision Platform; Jason Crabtree |
| 17/363,866 | USA | 6/30/2021 | Privilege Assurance Of Enterprise Computer Network Environments |

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| | | | Using Lateral Movement Detection And Prevention; Jason Crabtree |
| 17/389,704 | USA | 7/30/2021 | System And Method For Aggregating And Securing Managed Detection And Response Connection Interfaces Between Multiple Networked Sources; Jason Crabtree |
| 17/389,863 | USA | 7/30/2021 | AI-Driven Defensive Cybersecurity Strategy Analysis And Recommendation System; Jason Crabtree |
| 17/389,891 | USA | 7/30/2021 | Highly Scalable Distributed Connection Interface For Data Capture From Multiple Network Sources; Jason Crabtree |
| 17/390,888 | USA | 7/31/2021 | Privilege Assurance Of Computer Network Environments; Jason Crabtree |
| 17/390,889 | USA | 7/31/2021 | User And Entity Behavioral Analysis With Network Topology Enhancements; Jason Crabtree |
| 17/391,054 | USA | 8/2/2021 | Risk Quantification For Insurance Process Management Employing An Advanced Insurance Management And Decision Platform; Jason Crabtree |
| 17/392,232 | USA | 8/2/2021 | AI-Driven Defensive Cybersecurity Strategy Analysis And Recommendation System; Jason Crabtree |
| 17/392,250 | USA | 8/2/2021 | System And Methods For Automatically Assessing And Improving A Cybersecurity Risk Score; Jason Crabtree |
| 17/399,554 | USA | 8/11/2021 | System And Method For Collaborative Cybersecurity Defensive Strategy Analysis Utilizing Virtual Network Spaces; Jason Crabtree |
| 17/539,127 | USA | 11/30/2021 | Advanced Cybersecurity Threat Mitigation Using Software Supply Chain Analysis; Jason Crabtree |
| 17/539,137 | USA | 11/30/2021 | Contextual And Risk-Based Multi-Factor Authentication; Jason Crabtree |
| 17/545,663 | USA | 12/8/2021 | AI-Driven Defensive Cybersecurity Strategy Analysis And Recommendation System; Jason Crabtree |
| 17/567,060 | USA | 12/31/2021 | AI-Driven Defensive Penetration Test Analysis And Recommendation System; Jason Crabtree |
| 17/567,064 | USA | 12/31/2021 | System And Method For Determining Privilege Escalation |

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| | | | Attack Pathways Using Software Analysis; Jason Crabtree |
| 17/567,069 | USA | 12/31/2021 | Event-triggered Reauthentication Of At-risk And Compromised Systems And Accounts; Jason Crabtree |
| 17/567,074 | USA | 12/31/2021 | A System And Method For Cybersecurity Reconnaissance, Analysis, And Score Generation Using Distributed Systems; Jason Crabtree |
| 17/589,774 | USA | 1/31/2022 | A System And Method For Cybersecurity Analysis And Protection Using Distributed Systems; Jason Crabtree |
| 17/589,797 | USA | 1/31/2022 | System And Method For Cybersecurity Analysis And Score Generation For Insurance Purposes; Jason Crabtree |
| 17/589,811 | USA | 1/31/2022 | System And Method For Comprehensive Data Loss Prevention And Compliance Management; Jason Crabtree |
| 17/683,242 | USA | 2/28/2022 | System And Method For Data Compliance And Prevention With Threat Detection And Response; Jason Crabtree |
| 17/683,250 | USA | 2/28/2022 | Advanced Cybersecurity Threat Hunting Using Behavioral And Deep Analytics; Jason Crabtree |
| 17/707,852 | USA | 2/28/2022 | Privilege Assurance Of Enterprise Computer Network Environments; Jason Crabtree |
| 17/829,211 | USA | 5/31/2022 | Collaborative Database And Reputation Management In Adversarial Information Environments; Jason Crabtree |
| 17/845,826 | USA | 6/21/2022 | A System And Method For Detection And Mitigation Of Data Source Compromises In Adversarial Information Environments; Jason Crabtree |
| 17/585,637 | USA | 7/27/2022 | A System And Method For Cybersecurity Analysis And Score Generation For Insurance Purposes; Jason Crabtree |
| 17/960,081 | USA | 10/4/2022 | Advanced Detection Of Identity-based Attacks To Assure Identity Fidelity In Information Technology Environments; Jason Crabtree |
| 17/968,420 | USA | 10/18/2022 | Advanced Detection Of Identity-based Attacks To Assure Identity Fidelity In Information Technology Environments; Jason Crabtree |
| 17/973,520 | USA | 10/25/2022 | Detecting And Mitigating Golden Ticket Attacks Within A Domain; Jason Crabtree |

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| 17/974,257 | USA | 10/26/2022 | Detecting And Mitigating Attacks Using Forged Authentication Objects Within A Domain; Jason Crabtree |
| 17/975,548 | USA | 10/27/2022 | System and Methods for Detecting and Mitigating Golden SAML Attacks Against Federated Services; Jason Crabtree |
| 17/982,457 | USA | 11/7/2022 | Multi-tenant Knowledge Graph Databases With Dynamic Specification And Enforcement Of Ontological Data Models; Jason Crabtree |
| 17/986,850 | USA | 11/14/2022 | Holistic External Network Cybersecurity Evaluation And Scoring; Jason Crabtree |
| 18/071,563 | USA | 11/29/2022 | Platform For Autonomous Risk Assessment And Quantification For Cyber Insurance Policies; Jason Crabtree |
| 18/069,206 | USA | 12/20/2022 | Policy - Aware Vulnerability Mapping And Attack Planning; Jason Crabtree |
| 18/146,928 | USA | 12/27/2022 | System And Method For Midserver Facilitation Of Cross - Boundary Single Sign On; Jason Crabtree |
| 18/152,142 | USA | 1/9/2023 | System and Methods for Detecting and Mitigating Golden SAML Attacks Against Federated Services; Jason Crabtree |
| 18/158,463 | USA | 1/23/2023 | Probe-based Risk Analysis For Multi-factor Authentication; Jason Crabtree |
| 18/171,328 | USA | 2/18/2023 | Dynamic Cybersecurity Scoring Using Traffic Fingerprinting And Risk Score Improvement; Jason Crabtree |
| 18/181,539 | USA | 3/9/2023 | A System And Method For Self-adjusting Cybersecurity Analysis And Score Generation; Jason Crabtree |
| 18/184,548 | USA | 3/15/2023 | Authentication Attack Detection And Mitigation With Embedded Authentication And Delegation; Jason Crabtree |
| 18/186,117 | USA | 3/17/2023 | User And Entity Behavioral Analysis With Network Topology Enhancements; Jason Crabtree |
| 18/186,605 | USA | 3/20/2023 | System And Method For Midserver Integration And Transformation Of Telemetry For Cloud - Based Services; Jason Crabtree |
| 18/189,967 | USA | 3/24/2023 | System And Method For Secure Evaluation Of Cyber Detection Products; Jason Crabtree |
| 18/191,876 | USA | 3/29/2023 | System And Method For Analysis Of Graph Databases Using |

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| | | | Intelligent Reasoning Systems; Jason Crabtree |
| 18/297,500 | USA | 4/7/2023 | Detecting And Mitigating Forged Authentication Attacks Using An Advanced Cyber Decision Platform; Jason Crabtree |
| 18/299,470 | USA | 4/12/2023 | A System And Methods For Sandboxed Software Analysis With Automated Vulnerability Detection And Patch Development, Deployment And Validation; Jason Crabtree |
| 18/299,677 | USA | 4/12/2023 | A System And Method For Self-adjusting Cybersecurity Analysis And Score Generation; Jason Crabtree |
| 18/304,343 | USA | 4/21/2023 | System And Methods For Predictive Cyber-physical Resource Management; Jason Crabtree |
| 18/333,414 | USA | 6/12/2023 | Network Authentication Toxicity Assessment; Jason Crabtree |
| 18/333,421 | USA | 6/12/2023 | Dynamic Authentication Revocation Utilizing Privilege Assurance; Jason Crabtree |
| 18/336,873 | USA | 6/16/2023 | Network Action Classification And Analysis Using Widely Distributed And Selectively Attributed Sensor Nodes And Cloud-Based Processing; Jason Crabtree |
| 18/339,191 | USA | 6/21/2023 | Dynamic Authentication Attack Detection and Enforcement at Network, Application, and Host Level; Jason Crabtree |
| 18/339,207 | USA | 6/21/2023 | System and Method for Internet Activity and Health Forecasting and Internet Noise Analysis; Jason Crabtree |
| 18/339,214 | USA | 6/21/2023 | Dynamic Cybersecurity Scoring and Operational Risk; Jason Crabtree |
| 18/343,716 | USA | 6/28/2023 | Dynamic Cyber Attack Mission Planning and Analysis; Jason Crabtree |
| 18/349,909 | USA | 7/10/2023 | Multitemporal Data Analysis; Jason Crabtree |
| 18/353,898 | USA | 7/18/2023 | A System and Method for Ongoing Trigger-Based Scanning of Cyber-Physical Assets; Jason Crabtree |
| 18/354,651 | USA | 7/19/2023 | A System and Method for Cyber-Exploitation Path Analysis and Task Plan Optimization; Jason Crabtree |
| 18/354,658 | USA | 7/19/2023 | Collaborative Cloud Identity and Credential Forgery and Abuse Defense; Jason Crabtree |

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| 18/354,664 | USA | 7/19/2023 | Kerberos Interdiction and Decryption for Real-Time Analysis; Jason Crabtree |
| 18/358,005 | USA | 7/24/2023 | A System and Method for Cyber Exploitation Path Analysis and Response Using Federated Networks; Jason Crabtree |
| 18/359,883 | USA | 7/27/2023 | System and Method for Track and Trace User and Identity Behavior Analysis; Jason Crabtree |
| 18/359,895 | USA | 7/27/2023 | System and Method for Enterprise-Wide Data Utilization Tracking and Risk Reporting; Jason Crabtree |
| 18/360,687 | USA | 7/27/2023 | Distributed Interface for Data Capture from Multiple Sources; Jason Crabtree |
| 18/361,799 | USA | 7/28/2023 | System and Method for Attacker Interdiction Using Track and Trace User and Entity Behavior Analysis |
| 18/361,811 | USA | 7/28/2023 | Host-Level Ticket Forgery Detection and Extension to Network Endpoints; Jason Crabtree |
| 18/361,825 | USA | 7/29/2023 | Master Ledger and Host Log Extension Detection and Mitigation of Forged Authentication Attacks; Jason Crabtree |
| 18/361,829 | USA | 7/29/2023 | System and Methods for Cybersecurity Analysis Using UEBA and Network Topology Data and Trigger-Based Network Remediation; Jason Crabtree |
| 18/361,830 | USA | 7/29/2023 | Detecting and Mitigating Forged Authentication Object Attacks in Multi-Cloud Environments with Attestation; Jason Crabtree |
| 18/361,831 | USA | 7/29/2023 | System and Method for Midserver Facilitation of Mass Scanning Network Traffic Detection and Analysis; Jason Crabtree |
| 18/361,835 | USA | 7/29/2023 | Network Action Classification and Analysis Using Widely Distributed Honeypot Sensor Nodes; Jason Crabtree |
| PCT/US2016/059591 | PCT | 10/28/2016 | Rapid predictive analysis of very large data sets using the distributed computational graph |
| PCT/US2017/012005 | PCT | 1/2/2017 | Distributed system for large volume deep web data extraction |
| PCT/US2017/026239 | PCT | 4/5/2017 | System for fully integrated capture, and analysis of business |

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| | | | information resulting in predictive decision making and simulation |
| PCT/US2017/034861 | PCT | 5/26/2017 | System for automated capture and analysis of business information |
| PCT/US2017/038200 | PCT | 6/19/2017 | Accurate and detailed modeling of systems using a distributed simulation engine |
| PCT/US2017/045759 | PCT | 8/7/2017 | Detection mitigation and remediation of cyberattacks employing an advanced cyber-decision platform |
| PCT/US2017/060120 | PCT | 11/6/2017 | Quantification for investment vehicle management and insurance process management |
| PCT/US2017/066734 | PCT | 12/15/2017 | Multi-corporation venture plan validation and inclusion of time series geospatial markers in analyses employing an advanced decision platform |
| PCT/US2018/000160 | PCT | 8/15/2018 | Cybersecurity profile generated using a simulation engine |
| PCT/US2018/028019 | PCT | 4/17/2018 | Regulation based switching system for electronic message routing |
| PCT/US2018/036550 | PCT | 6/7/2018 | Rapid predictive analysis of very large data sets using an actor-driven distributed computational graph |
| PCT/US2018/043191 | PCT | 7/20/2018 | Advanced cybersecurity threat mitigation using behavioral and deep analytics |
| PCT/US2018/049807 | PCT | 9/6/2018 | Advanced cybersecurity threat mitigation for inter-bank financial transactions |
| PCT/US2018/054477 | PCT | 10/4/2018 | Improving a distributable model with distributed data |
| PCT/US2018/054479 | PCT | 10/4/2018 | Improving a distributable model with biases contained within distributed data |
| PCT/US2018/057176 | PCT | 10/23/2018 | Platform for autonomous management of risk transfer |
| PCT/US2018/059900 | PCT | 11/8/2018 | Modeling multi-peril catastrophe using a distributed simulation engine |
| PCT/US2018/060990 | PCT | 11/14/2018 | Epistemic uncertainty reduction using simulations, models and data exchange |
| PCT/US2018/062586 | PCT | 11/27/2018 | Meta-indexing, search, compliance, and test framework for software development |
| PCT/US2018/064541 | PCT | 12/7/2018 | Detecting and mitigating forged authentication object attacks using an advanced cyber decision platform |
| PCT/US2018/064555 | PCT | 12/7/2018 | Transfer learning and domain adaptation using distributable data models |
| PCT/US2018/064566 | PCT | 12/7/2018 | A system and methods for multi-language abstract model creation |

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| | | | for digital environment simulations |
| PCT/US2018/066507 | PCT | 12/19/2018 | System and method for automatic creation of ontological databases and semantic searching |
| PCT/US2018/067239 | PCT | 12/21/2018 | A system and method for optimization and load balancing of computer clusters |
| PCT/US2019/012221 | PCT | 1/3/2019 | Collaborative algorithm development, deployment, and tuning platform |
| PCT/US2019/014875 | PCT | 1/24/2019 | Platform for hierarchy cooperative computing |
| PCT/US2019/019458 | PCT | 2/25/2019 | A system and methods for dynamic geospatially-referenced cyber-physical infrastructure inventory |
| PCT/US2019/019641 | PCT | 2/26/2019 | Automated scalable contextual data collection and extraction system |
| PCT/US2019/020606 | PCT | 3/4/2019 | Platform for live issuance and management of cyber insurance policies |
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| PCT/US2021/025312 | PCT | 4/1/2021 | A system and method for self-adjusting cybersecurity analysis and score generation |
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| PCT/US2021/039281 | PCT | 6/27/2021 | Event-driven model refinement for insurance and risk management |
| PCT/US2021/039498 | PCT | 6/29/2021 | Applying telematics to generate dynamic insurance premiums |
| PCT/US2021/044234 | PCT | 8/2/2021 | Advanced detection of identity-based attacks |
| PCT/US2021/044235 | PCT | 8/2/2021 | Privilege assurance of enterprise computer network environments |