



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/584,659	02/22/2024	Amitai COHEN	WZIO P2750	8657
122066	7590	06/04/2024		
M&B IP Analysts, LLC 150 Morristown Road Suite 205 Bernardsville, NJ 07924-2626			EXAMINER GUNDRY, STEPHEN T	
			ART UNIT	PAPER NUMBER
			2435	
			NOTIFICATION DATE	DELIVERY MODE
			06/04/2024	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

cofficeaction@appcoll.com
pair@mb-ip.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/584,659	04-Jun-2024	12003529

M&B IP Analysts, LLC
150 Morristown Road
Bernardsville, NJ 07924-2626

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at <https://patentcenter.uspto.gov>

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit <https://www.uspto.gov/electronicgrants>



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/584,659	06/04/2024	12003529	WZIO P2750	8657

122066 7590 05/15/2024
M&B IP Analysts, LLC
150 Morristown Road
Suite 205
Bernardsville, NJ 07924-2626

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at <https://certifiedcopycenter.uspto.gov/index.html>. The Certified Copy Center may be reached at (800)972-6382.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Center (<https://patentcenter.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional inventors):

Amitai COHEN, Kfar Saba, ISRAEL;
Barak SHARONI, Tel Aviv, ISRAEL;
Shir TAMARI, Tel Aviv, ISRAEL;
George PISHA, Giv'atayim, ISRAEL;
Itay ARBEL, Tel Aviv, ISRAEL;

APPLICANT(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional applicants):

Wiz, Inc., New York, NY;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit [SelectUSA.gov](https://selectusa.gov).



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
18/584,659	02/22/2024	COHEN et al.	WZIO P2750

M&B IP Analysts, LLC 150 Morristown Road Suite 205 Bernardsville, NJ 07924-2626		EXAMINER	
		--	
		ART UNIT	PAPER
		--	20240427- IFyH8l

DATE MAILED: 27 April 2024

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Notice of Potential Erroneous Release of Patent Application Titles

On February 5, 2024, the United States Patent and Trademark Office (USPTO), replaced the Electronic Patent Assignment System (EPAS) and Electronic Trademark Assignment System (ETAS) with Assignment Center.

Between February 5, 2024 and March 29, 2024, the USPTO, unintentionally, through a computer programming error, permitted bibliographic information to be viewed by unauthorized individuals with access to registered Assignment Center accounts. This bibliographic information was limited to the application number (the two-digit series code plus the six-digit serial number) and title of the invention.

You are receiving this notification because your application's patent title may have been viewed during that time frame by individual(s) who lacked permission to do so. The software error was first reproduced by USPTO on March 28, 2024, and was corrected on March 29, 2024. Only application numbers and titles were disclosed; it is important to note that your specification and claims were not part of the information made available and were not accessed.

Any improper access of the application information between the dates of February 5, 2024 and March 29, 2024, is not considered a publication of such applications under 35 U.S.C. 122(b). No rights in United States patents are threatened by the access to unpublished applications. It is extremely unlikely that the title could disclose the invention in a way that would constitute patent-defeating prior art in any jurisdiction. To the extent any issue is raised, the USPTO will assist applicants by confirming that the disclosure was erroneous and inadvertent.

We're committed to data security and are taking enhanced steps to prevent incidents such as this from happening in the future. The USPTO sincerely regrets this error and is instituting more testing controls, both manual and automated testing, to prevent similar processing errors in the future.

Inquiries regarding this matter may be directed to Mark Polutta, Senior Legal Advisor, at (571) 272-7709 or Andrew Stclair, Legal Advisor, at (571) 270-0238, both of the Office of Patent Legal Administration or via email addressed to Patent.Practice@uspto.gov.



Henry "Jamie" Holcombe
Chief Information Officer
US Patent and Trademark Office
Office +1 (571) 272-9400



Dated: April 27th, 2024

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/584,659	02/22/2024	Amitai COHEN	WZIO P2750	8657

TITLE OF INVENTION: TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	07/24/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
GUNDRY, STEPHEN T	2435	726-001000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 M&B IP Analysts, LLC

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE Wiz, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY) New York, New York

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☒ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 506438

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Michael Ben-Shimon/

Date 2024-04-24

Typed or printed name Michael Ben-Shimon

Registration No. 69610



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/584,659

RECEIPT DATE / TIME
04/24/2024 03:27:31 PM Z ET

ATTORNEY DOCKET #
WZIO P2750

Title of Invention

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 8657

FILED BY Sydney Manning

PATENT CENTER # 65224800

AUTHORIZED BY Michael Ben-Shimon

CUSTOMER # 122066

FILING DATE 02/22/2024

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Amitai COHEN

Payment Information

PAYMENT METHOD
CARD / 0390

PAYMENT TRANSACTION ID
E20244NF28085200

PAYMENT AUTHORIZED BY
Sydney Manning

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1501	UTILITY ISSUE FEE	1200.00	1	1200.00
TOTAL AMOUNT:				\$1,200.00

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C.

IPR2025-01087

Orca Security EX1002 Page 8

371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES
PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov**ELECTRONIC ACKNOWLEDGEMENT RECEIPT**APPLICATION #
18/584,659RECEIPT DATE / TIME
04/24/2024 03:27:31 PM Z ETATTORNEY DOCKET #
WZIO P2750**Title of Invention**TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A
COMPUTING ENVIRONMENT**Application Information**APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 8657

FILED BY Sydney Manning

PATENT CENTER # 65224800

FILING DATE 02/22/2024

CUSTOMER # 122066

FIRST NAMED INVENTOR Amitai COHEN

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Michael Ben-Shimon

Documents**TOTAL DOCUMENTS: 1**

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
WZIO_P2750_part_b_fees_04-24-2024.pdf	1	Issue Fee Payment (PTO-85B)	158 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
WZIO_P2750_part_b_fees_04-24-2024.pdf	FB9C8238D5FDBFA2E466967B0B46EBF33C3A9AE148DE44C2 E0A8266D4F42EA20303B0EEB2E2FF28FEB51F1B787537165A2 44498BF0A5986C103E95882DB88A21

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

122066 7590 04/24/2024
M&B IP Analysts, LLC
150 Morristown Road
Suite 205
Bernardsville, NJ 07924-2626

EXAMINER

GUNDRY, STEPHEN T

ART UNIT

PAPER NUMBER

2435

DATE MAILED: 04/24/2024

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/584,659	02/22/2024	Amitai COHEN	WZIO P2750	8657

TITLE OF INVENTION: TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	07/24/2024

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/584,659	02/22/2024	Amitai COHEN	WZIO P2750	8657

TITLE OF INVENTION: TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	07/24/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
GUNDRY, STEPHEN T	2435	726-001000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/584,659	02/22/2024	Amitai COHEN	WZIO P2750	8657
122066	7590	04/24/2024	EXAMINER	
M&B IP Analysts, LLC 150 Morristown Road Suite 205 Bernardsville, NJ 07924-2626			GUNDRY, STEPHEN T	
			ART UNIT	PAPER NUMBER
			2435	
DATE MAILED: 04/24/2024				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).

<https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to:

- 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
- 2) a federal, state, local, or international agency, in response to its request;
- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 18/584,659	Applicant(s) COHEN et al.	
	Examiner STEPHEN T GUNDRY	Art Unit 2435	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/12/2024.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1,3-11 and 13-19. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____. 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____. 4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.	5. ☐ Examiner's Amendment/Comment 6. ☒ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____.
---	--

/STEPHEN T GUNDRY/
Primary Examiner, Art Unit 2435

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Applicant(s) Response to Official Action

2. The response filed on 4/12/2024 has been entered and made of record.

Response to Amendment/Remarks

3. In the response filed Claims 1, 3, 10, 11, and 13 were amended. Claims 2 and 12 were canceled. Claims 1, 3-11, and 13-19 were presented for examination.
4. Applicants' amendments/arguments overcome the prior art of record; the rejections of the claims under AIA 35 U.S.C. 103; and are persuasive. Accordingly, said rejections are withdrawn. Examiner further articulates the differences between the prior art and in allowed claims in the examiners reason for allowance below.

Allowable Subject Matter

5. Claims 1, 3-11, and 13-19 are allowed.
6. The following is an Examiner's statement of reasons for allowance:

Various examples have been found in the art describe aspects of the claimed invention. The cited prior art does not teach the amended portions of the independent claims. Hence, while various art tangentially discusses aspects of the claimed invention none of the prior individually or in reasonable combination discloses the claimed invention.

Dependent claims being dependent on their respective independent claims are therefore allowed under the same rationale.

7. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments to Statement of Reasons for Allowance."
8. Additionally, the closest prior art has been supplied in the record.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to STEPHEN GUNDRY whose telephone number is (571)270-0507. The examiner can normally be reached on Monday - Friday 8:30 AM - 5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hirl can be reached on (571)272-3685. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/STEPHEN T GUNDRY/
Primary Examiner, Art Unit 2435

Notice of References Cited	Application/Control No. 18/584,659		Applicant(s)/Patent Under Reexamination COHEN et al.	
	Examiner STEPHEN T GUNDRY		Art Unit 2435	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-20240104235-A1	2024-03-28	HERZBERG; Raaz	G06F16/9024	1/1
*	B	US-20240104240-A1	2024-03-28	HERZBERG; Raaz	G06F16/9024	1/1
*	C	US-11941054-B2	2024-03-26	Shu; Xiaokui	H04L63/1425	1/1
*	D	US-20240098072-A1	2024-03-21	Verzun; Ievgen	H04L63/123	1/1
*	E	US-11936622-B1	2024-03-19	Gonshorowitz; Lidor	H04L63/1433	1/1
*	F	US-11936785-B1	2024-03-19	Shemesh; Daniel Hershko	H04L9/088	1/1
*	G	US-11935416-B1	2024-03-19	Motamedi; Arash	G07C5/008	1/1
*	H	US-20240089272-A1	2024-03-14	GILAD; Itamar	H04L63/1416	1/1
*	I	US-20240080338-A1	2024-03-07	Crabtree; Jason	H04L9/0643	1/1
*	J	US-20240080329-A1	2024-03-07	Reed; Theodore M.	H04L67/306	1/1
*	K	US-20240064159-A1	2024-02-22	Crabtree; Jason	H04L63/0876	1/1
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

Search Notes 	Application/Control No. 18/584,659	Applicant(s)/Patent Under Reexamination COHEN et al.
	Examiner STEPHEN T GUNDRY	Art Unit 2435

CPC - Searched*		
Symbol	Date	Examiner
H04L63/1441 H04L63/1433	04/04/2024	SG
H04L63/1441 H04L63/1433	04/17/2024	SG

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
palm inventors	04/04/2024	SG
pe2e text search	04/04/2024	SG
pe2e search in H04L63/1441 H04L63/1433	04/04/2024	SG
npl google patents ip.com	04/04/2024	SG
Updated, palm inventors	04/17/2024	SG
Updated, pe2e text search	04/17/2024	SG
Updated, pe2e search in H04L63/1441 H04L63/1433	04/17/2024	SG
Updated, npl google patents ip.com	04/17/2024	SG
Interference Search	04/17/2024	SG

--	--

<i>Search Notes</i> 	Application/Control No. 18/584,659	Applicant(s)/Patent Under Reexamination COHEN et al.
	Examiner STEPHEN T GUNDRY	Art Unit 2435

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
H04L	63/1441 H04L63/1433	04/17/2024	SG

--	--

Issue Classification 	Application/Control No. 18/584,659	Applicant(s)/Patent Under Reexamination COHEN et al.
	Examiner STEPHEN T GUNDRY	Art Unit 2435

CPC						
Symbol					Type	Version
H04L	/	63	/	1441	F	2013-01-01
H04L	/	63	/	1433	I	2013-01-01

CPC Combination Sets						
Symbol				Type	Set	Ranking
	/		/			

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	17	
/STEPHEN T GUNDRY/ Primary Examiner, Art Unit 2435	17 April 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 18/584,659	Applicant(s)/Patent Under Reexamination COHEN et al.
	Examiner STEPHEN T GUNDRY	Art Unit 2435

INTERNATIONAL CLASSIFICATION			
CLAIMED			
H04L9/40	/	9	/ 40
NON-CLAIMED			
	/		/

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	17	
/STEPHEN T GUNDRY/ Primary Examiner, Art Unit 2435	17 April 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 18/584,659	Applicant(s)/Patent Under Reexamination COHEN et al.
	Examiner STEPHEN T GUNDRY	Art Unit 2435

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE	Total Claims Allowed: 17	
(Assistant Examiner)	(Date)	
/STEPHEN T GUNDRY/ Primary Examiner, Art Unit 2435	17 April 2024	
(Primary Examiner)	(Date)	
		O.G. Print Claim(s) 1
		O.G. Print Figure 1

Bibliographic Data

Application No: 18/584,659

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged: /STEPHEN T GUNDRY/

Examiner's Signature

Initials

Title:

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE
MODEL CYBERSECURITY RISK IN A COMPUTING
ENVIRONMENT

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
02/22/2024	726	2435	WZIO P2750
RULE			

APPLICANTS

Wiz, Inc., New York, NY, UNITED STATES

INVENTORS

Amitai COHEN, Kfar Saba, ISRAEL

Barak SHARONI, Tel Aviv, ISRAEL

Shir TAMARI, Tel Aviv, ISRAEL

George PISHA, Giv'atayim, ISRAEL

Itay ARBEL, Tel Aviv, ISRAEL

Daniel VELIKANSKI, Tel Aviv, ISRAEL

Yaniv SHAKED, Tel Aviv, ISRAEL

CONTINUING DATA

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

03/06/2024

STATE OR COUNTRY

ISRAEL

ADDRESS

M&B IP Analysts, LLC

150 Morristown Road

Suite 205

Bernardsville, NJ 07924-2626

UNITED STATES

FILING FEE RECEIVED

\$6,320

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	83638	(H04L63/1441 H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:35 PM
L2	7621	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:35 PM
L3	3952	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:35 PM
L4	1880	(H04L63/1441).cpc. AND (H04L63/1433).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/04/04 12:35 PM

		AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc.	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L5	685	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:35 PM
L6	619	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:36 PM
L7	272	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc. AND h04l63/146\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO,	OR	ON	ON	2024/04/04 12:36 PM

			RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L8	26	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc. AND h04l63/146\$.cpc. AND h04l63/147\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:36 PM
L9	246	7 NOT 8	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:38 PM
L10	34	((("COHEN") near3 ("Amitai")) OR (("SHARONI") near3 ("Barak")) OR (("TAMARI") near3 ("Shir")) OR ("PISHA") near3 ("George")) OR (("ARBEL") near3 ("Itay")) OR (("VELIKANSKI") near3 ("Daniel")) OR (("SHAKED") near3 ("Yaniv"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/04/04 12:38 PM
L11	49	((("COHEN") near3 ("Amitai")) OR (("SHARONI") near3 ("Barak")) OR (("TAMARI") near3 ("Shir")) OR ("PISHA")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/04/04 12:38 PM

		near3 ("George")) OR (("ARBEL") near3 ("Itay")) OR (("VELIKANSKI") near3 ("Daniel")) OR (("SHAKED") near3 ("Yaniv"))).INV.	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L12	5	(H04L63/1441 H04L63/1433).cpc. AND 11	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:39 PM
L13	20	((("WIZ") near3 ("INC"))).AS,AANM.	(USPAT)	OR	ON	ON	2024/04/04 12:40 PM
L14	187	((("WIZ") near3 ("INC"))).AS,AANM.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:41 PM
L16	45	(H04L63/1441 H04L63/1433).cpc. AND 14	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2024/04/04 12:41 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L17	2	us-20230275917-\$.did.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 01:02 PM
L18	34	(Artificial Intelligence) More like doc: US-20230275917-A1 Text: (WO-2023215491-A1 OR US-20220311794-A1 OR US-20230032686-A1 OR US-20220329616-A1 OR US-11849000-B2 OR US-20230075355-A1 OR WO-2023038957-A1 OR WO-2024044053-A1 OR US-20220360600-A1 OR US-20230319092-A1 OR US-11818156-B1 OR US-20240080329-A1 OR US-11792284-B1 OR US-20220279004-A1 OR WO-2023081098-A1 OR US-11765249-B2 OR US-20220215101-A1 OR US-20220294816-A1 OR US-11741238-B2 OR US-20220303295-A1).did.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 01:02 PM
L19	267	("20230275917" "20230388352" "20240080329" "20220329616" "11936622" "11818156" "20230161614" "20230032686"	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/04 01:03 PM

		"20220303295" "11770398" "20220342690" "20220215101" "20220200869" "20230161871" "20230075355" "20220311794" "20230164174" "20220247769" "20230221983" "20230319092" "11943251" "20220294816" "20220224707" "20240106846" "20220279004" "20220400129" "20160330219" "20200145381" "20230254330" "20230328086" "20220400130" "20220232024" "20230379342" "20230113621" "11683333" "20220360600" "20200265356" "11895121" "20200177618" "20230247063" "20240089272" "11792284" "11875306" "20240048566" "20230308459" "20230351026" "20230247044" "20210326467" "20230118388" "20220131887" "20230370490" "20230388325" "20230208862" "20170063886" "20240039929" "20230247048" "11290483" "20230269272" "20230370491" "20200213336" "20230300112" "20210409426" "20240080338" "20220014534" "20230105028" "20210398225" "20220383093"					
--	--	---	--	--	--	--	--

		"20220261487"					
		"20220070202"					
		"20200201989"					
		"20210173940"					
		"20220060497"					
		"20200285737"					
		"20210400071"					
		"20230412620"					
		"20230205891"					
		"20230396635"					
		"20190342324"					
		"20230246844"					
		"20230342126"					
		"20240039936"					
		"20240039954"					
		"20210248443"					
		"20230208873"					
		"20230336578"					
		"20220210200"					
		"20220131894"					
		"20230412630"					
		"20230300164"					
		"20220237565"					
		"20230370439"					
		"20230379356"					
		"20200074084"					
		"20230262077"					
		"20200322361"					
		"20180322584"					
		"20230245156"					
		"20230300165"					
		"20220201042"					
		"20240104235"					
		"20220342846"					
		"20220012814"					
		"20210014265"					
		"20240031391"					
		"11949690"					
		"20190327271"					
		"20230177613"					
		"20220345457"					
		"20240104118"					
		"20230252383"					
		"20220224723"					
		"20220224702"					
		"20230421588"					
		"20180020021"					
		"20230421573"					
		"20200175175"					
		"20200137104"					
		"20190132350"					
		"20190188797"					
		"11936785"					
		"20230412631"					
		"20220131888"					
		"20230319050"					
		"20230362200"					
		"20230319067"					

		"20240064159"					
		"20190190945"					
		"20230259657"					
		"20230318845"					
		"20240054229"					
		"20220377093"					
		"20230291755"					
		"20230114997"					
		"20240106847"					
		"20230319100"					
		"20230319068"					
		"20200410001"					
		"20230308460"					
		"20220060511"					
		"11736527"					
		"20230336550"					
		"20230319086"					
		"20220156631"					
		"20230308474"					
		"20200380138"					
		"20230328417"					
		"11943254"					
		"20200349647"					
		"20230336554"					
		"20230342684"					
		"11184401"					
		"20240031376"					
		"20220141188"					
		"20220027496"					
		"20150381649"					
		"20240104240"					
		"20170366353"					
		"20230289604"					
		"20230169170"					
		"20230069334"					
		"20170364699"					
		"20200177617"					
		"20240037463"					
		"20200327223"					
		"20210110319"					
		"20220100867"					
		"20230308487"					
		"20210176260"					
		"20230139000"					
		"20230135660"					
		"20240015185"					
		"20240022609"					
		"11947698"					
		"20220014561"					
		"20210211438"					
		"20220060509"					
		"20220078210"					
		"20230208871"					
		"20210092134"					
		"20220263860"					
		"20230077527"					
		"20240037218"					
		"20210092150"					

		"11470106" "20170364700" "20230319019" "20180219894" "20220004645" "20150264077" "20190236661" "20170251013" "20220058745" "20230259860" "20240098072" "20230362142" "20190379699" "20230033317" "20200028862" "11886610" "20230370499" "20220060507" "20220366332" "20230388278" "20230259857" "20230421593" "20210194905" "20240054228" "20230412635" "20210182387" "20190098037" "20210294901" "20210019674" "20230412626" "20210360032" "11768945" "20210073915" "20230008173" "20070050777" "11503075" "20210133331" "20220368726" "20240056460" "20180205552" "20200204574" "20220060453" "20180375886" "20170364450" "11757907" "20230328096" "20220129560" "20130097706" "20160359895" "20210211441" "20230247043" "20220014556" "20220101326" "20230315413" "20210273961" "20230088676" "20230018159" "20210359980"					
--	--	---	--	--	--	--	--

		"20190312910" "20210042217" "20200296124" "20230078448" "20230009127" "20210226983" "20220335340" "20220247784" "10749890" "20220038902" "11935416" "10558809" "20170364701" "20230171266" "20230367911" "20220150270" "20230134945" "20230370495" "11943240" "11941054" "20230007483" "20180159891" "20070136788" "20220036301" "20210357823" "20210352099").did.					
L20	222	(ai artificial NEAR intelligence ml machine NEAR learning) AND 19	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/04 01:05 PM
L21	1	(restrict\$3 WITH access WITH mitigat\$3 WITH (ai ml)) AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 12:46 PM
L22	18	(restrict\$3 WITH access WITH mitigat\$3 WITH (asset)) AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2024/04/05 12:47 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L23	4	((US-20230289604-A1 OR US-20230351026-A1 OR US-20230269272-A1 OR US-20220345457-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:15 PM
L24	3	23 AND (metadata AND risk)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:15 PM
L25	2	23 AND (metadata SAME risk)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:15 PM
L26	282	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/04/05 01:19 PM

		AND (@ad<"20240222" @rlad<"20240222")	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L27	153	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 01:21 PM
L28	47	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 01:23 PM
L29	4	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457- A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:33 PM
L30	5	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457-A1 OR US-20190050683- A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/04/05 01:34 PM

			IBM_TDB)				
L31	4	30 AND (secret certificate code)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:34 PM
L32	474	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 01:37 PM
L33	1485	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:37 PM
L34	141	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) WITH (detect\$3) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:37 PM

L35	112	(ai artificial NEAR intelligence ml machine NEAR learning) near3 (secret certificate) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 01:38 PM
L36	1187	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:44 PM
L37	19	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code NEAR object) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:44 PM
L38	6	((US-20230289604-A1 OR US-20230351026-A1 OR US-20230269272-A1 OR US-20220345457-A1 OR US-20190050683-A1 OR US-20210258160-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:45 PM
L39	0	(ai artificial NEAR	(US-PGPUB; USPAT;	OR	ON	ON	2024/04/05

		intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code) AND 38	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				01:45 PM
L40	6	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457-A1 OR US-20190050683- A1 OR US- 20210258160-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 02:02 PM
L41	263	19 NOT 40	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 02:02 PM
L42	83868	(H04L63/1441 H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L43	7655	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2024/04/17 02:46 PM

			IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L44	3967	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L45	1887	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L46	685	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/04/17 02:46 PM

			IBM_TDB)				
L47	619	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L48	272	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc. AND h04l63/146\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L49	26	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc. AND h04l63/146\$.cpc. AND h04l63/147\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L50	246	7 NOT 8	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2024/04/17 02:46 PM

			IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L51	34	((("COHEN") near3 ("Amitai")) OR ((("SHARONI") near3 ("Barak")) OR ((("TAMARI") near3 ("Shir")) OR ((("PISHA") near3 ("George")) OR ((("ARBEL") near3 ("Itay")) OR ((("VELIKANSKI") near3 ("Daniel")) OR ((("SHAKED") near3 ("Yaniv")))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/04/17 02:46 PM
L52	49	((("COHEN") near3 ("Amitai")) OR ((("SHARONI") near3 ("Barak")) OR ((("TAMARI") near3 ("Shir")) OR ((("PISHA") near3 ("George")) OR ((("ARBEL") near3 ("Itay")) OR ((("VELIKANSKI") near3 ("Daniel")) OR ((("SHAKED") near3 ("Yaniv")))).INV.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L53	5	(H04L63/1441 H04L63/1433).cpc. AND 11	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L54	21	((("WIZ") near3 ("INC"))).AS,AANM.	(USPAT)	OR	ON	ON	2024/04/17 02:46 PM

L55	194	((("WIZ") near3 ("INC"))).AS,AANM.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L56	48	(H04L63/1441 H04L63/1433).cpc. AND 14	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L57	2	us-20230275917-\$.did.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L58	34	(Artificial Intelligence) More like doc: <u>US-20230275917-A1</u> Text: (WO-2023215491-A1 OR US-20220311794- A1 OR US- 20230032686-A1 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2024/04/17 02:46 PM

		US-20220329616-A1 OR US-11849000-B2 OR US-20230075355-A1 OR WO-2023038957-A1 OR WO-2024044053-A1 OR US-20220360600-A1 OR US-20230319092-A1 OR US-11818156-B1 OR US-20240080329-A1 OR US-11792284-B1 OR US-20220279004-A1 OR WO-2023081098-A1 OR US-11765249-B2 OR US-20220215101-A1 OR US-20220294816-A1 OR US-11741238-B2 OR US-20220303295-A1).did.	MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L59	267	("20230275917" "20230388352" "20240080329" "20220329616" "11936622" "11818156" "20230161614" "20230032686" "20220303295" "11770398" "20220342690" "20220215101" "20220200869" "20230161871" "20230075355" "20220311794" "20230164174" "20220247769" "20230221983" "20230319092" "11943251" "20220294816" "20220224707" "20240106846" "20220279004" "20220400129" "20160330219" "20200145381" "20230254330" "20230328086" "20220400130" "20220232024" "20230379342" "20230113621" "11683333" "20220360600" "20200265356"	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:46 PM

		"11895121" "20200177618" "20230247063" "20240089272" "11792284" "11875306" "20240048566" "20230308459" "20230351026" "20230247044" "20210326467" "20230118388" "20220131887" "20230370490" "20230388325" "20230208862" "20170063886" "20240039929" "20230247048" "11290483" "20230269272" "20230370491" "20200213336" "20230300112" "20210409426" "20240080338" "20220014534" "20230105028" "20210398225" "20220383093" "20220261487" "20220070202" "20200201989" "20210173940" "20220060497" "20200285737" "20210400071" "20230412620" "20230205891" "20230396635" "20190342324" "20230246844" "20230342126" "20240039936" "20240039954" "20210248443" "20230208873" "20230336578" "20220210200" "20220131894" "20230412630" "20230300164" "20220237565" "20230370439" "20230379356" "20200074084" "20230262077" "20200322361" "20180322584"					
--	--	--	--	--	--	--	--

		"20230245156" "20230300165" "20220201042" "20240104235" "20220342846" "20220012814" "20210014265" "20240031391" "11949690" "20190327271" "20230177613" "20220345457" "20240104118" "20230252383" "20220224723" "20220224702" "20230421588" "20180020021" "20230421573" "20200175175" "20200137104" "20190132350" "20190188797" "11936785" "20230412631" "20220131888" "20230319050" "20230362200" "20230319067" "20240064159" "20190190945" "20230259657" "20230318845" "20240054229" "20220377093" "20230291755" "20230114997" "20240106847" "20230319100" "20230319068" "20200410001" "20230308460" "20220060511" "11736527" "20230336550" "20230319086" "20220156631" "20230308474" "20200380138" "20230328417" "11943254" "20200349647" "20230336554" "20230342684" "11184401" "20240031376" "20220141188" "20220027496"					
--	--	---	--	--	--	--	--

		"20150381649" "20240104240" "20170366353" "20230289604" "20230169170" "20230069334" "20170364699" "20200177617" "20240037463" "20200327223" "20210110319" "20220100867" "20230308487" "20210176260" "20230139000" "20230135660" "20240015185" "20240022609" "11947698" "20220014561" "20210211438" "20220060509" "20220078210" "20230208871" "20210092134" "20220263860" "20230077527" "20240037218" "20210092150" "11470106" "20170364700" "20230319019" "20180219894" "20220004645" "20150264077" "20190236661" "20170251013" "20220058745" "20230259860" "20240098072" "20230362142" "20190379699" "20230033317" "20200028862" "11886610" "20230370499" "20220060507" "20220366332" "20230388278" "20230259857" "20230421593" "20210194905" "20240054228" "20230412635" "20210182387" "20190098037" "20210294901" "20210019674"					
--	--	---	--	--	--	--	--

		"20230412626" "20210360032" "11768945" "20210073915" "20230008173" "20070050777" "11503075" "20210133331" "20220368726" "20240056460" "20180205552" "20200204574" "20220060453" "20180375886" "20170364450" "11757907" "20230328096" "20220129560" "20130097706" "20160359895" "20210211441" "20230247043" "20220014556" "20220101326" "20230315413" "20210273961" "20230088676" "20230018159" "20210359980" "20190312910" "20210042217" "20200296124" "20230078448" "20230009127" "20210226983" "20220335340" "20220247784" "10749890" "20220038902" "11935416" "10558809" "20170364701" "20230171266" "20230367911" "20220150270" "20230134945" "20230370495" "11943240" "11941054" "20230007483" "20180159891" "20070136788" "20220036301" "20210357823" "20210352099").did.					
L60	222	(ai artificial NEAR intelligence ml machine NEAR learning) AND 19	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:46 PM

L61	1	(restrict\$3 WITH access WITH mitigat\$3 WITH (ai ml)) AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L62	18	(restrict\$3 WITH access WITH mitigat\$3 WITH (asset)) AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L63	4	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457- A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L64	3	23 AND (metadata AND risk)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2024/04/17 02:46 PM

			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L65	2	23 AND (metadata SAME risk)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L66	286	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L67	154	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:46 PM
L68	47	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk AND (@ad<"20240222" @rlad<"20240222") AND h04I63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:46 PM
L69	4	((US-20230289604-A1 OR US-20230351026- A1 OR US-	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2024/04/17 02:46 PM

		20230269272-A1 OR US-20220345457-A1).did. AND PGPB.dbnm.)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L70	5	((US-20230289604-A1 OR US-20230351026-A1 OR US- 20230269272-A1 OR US-20220345457-A1 OR US-20190050683-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L71	4	30 AND (secret certificate code)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L72	475	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) AND (@ad<"20240222" @rlad<"20240222") AND h04I63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:46 PM
L73	1490	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/04/17 02:46 PM

		(@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L74	142	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) WITH (detect\$3) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L75	112	(ai artificial NEAR intelligence ml machine NEAR learning) near3 (secret certificate) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:46 PM
L76	1192	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L77	19	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code NEAR object) AND	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/04/17 02:46 PM

		((@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L78	6	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457-A1 OR US-20190050683- A1 OR US- 20210258160-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L79	0	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code) AND 38	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L80	6	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457-A1 OR US-20190050683- A1 OR US- 20210258160-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L81	263	19 NOT 40	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:46 PM
L82	11	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457-A1 OR US-20190050683- A1 OR US- 20210258160-A1 OR US-20240106846-A1 OR US-20240106847- A1 OR US- 20240104118-A1).did. AND PGPB.dbnm.) OR ((US-11947698-B2 OR US-11949690-B2).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/17 02:46 PM
L83	258	81 NOT 82	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:46 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	21786	(H04L63/1441 H04L63/1433).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:48 PM
N2	2711	(H04L63/1441).cpc. AND (H04L63/1433).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:48 PM
N3	845	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND g06f21\$.cpc. AND h04l63/142\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:49 PM
N4	169	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND g06f21\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc. AND h04l63/146\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:49 PM
N5	18	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND g06f21\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc. AND h04l63/146\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:49 PM

		AND h04I63/147\$.cpc.					
N6	151	N4 NOT N5	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:49 PM
N7	34	((("COHEN") near3 ("Amitai")) OR (("SHARONI") near3 ("Barak")) OR (("TAMARI") near3 ("Shir")) OR (("PISHA") near3 ("George")) OR (("ARBEL") near3 ("Itay")) OR (("VELIKANSKI") near3 ("Daniel")) OR (("SHAKED") near3 ("Yaniv"))).INV.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:50 PM
N8	72	((("WIZ") near3 ("INC"))).AS,AANM.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:50 PM
N9	5	N1 AND N7	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:50 PM
N10	31	N1 AND N8	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:50 PM
N11	26	N10 NOT N9	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:51 PM
N12	77	((ai artificial NEAR intelligence ml machine NEAR learning) AND (execut\$4 run\$5) AND (code NEAR object)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:52 PM
N13	39	((ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4 run\$5) AND (code NEAR object)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:52 PM
N14	19	((ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4 run\$5) WITH (code NEAR object)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:52 PM
N15	20	N13 NOT N14	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/17 02:52 PM

Patents

(data) (attack) (computerized method) (cloud) (saas) before:priority:20240222

✎ (data) (attack) (computerized method) (cloud) (saas); Before: priority 2024-02-22;

About 30,663 results

Download ▾ Side-by-side ▾

Sort by: Relevance ▾ Group by: None ▾ Duplicates by: Family ▾ Results / page: 10 ▾

A survey on security issues in service delivery models of cloud computingGoogle Scholar · [www.scribd.com](#) · Subashini S · Journal of network and computer applications

Published 2011

... The SaaS software vendor may host the application on its ... provided by the SaaS and process their business data. But in ... by which the security methodology varies dynamically from one ...

Guidelines on security and privacy in public cloud computingGoogle Scholar · [ndp.unist.gr](#) · Jensen W

Published 2011

... cloud computing service, service arrangement, service ... applications and data to public cloud computing environments, and ... Software-as-a-Service (SaaS) is a model of service delivery ...

A review of machine learning algorithms for cloud computing securityGoogle Scholar · [www.mdpi.com](#) · Sud U · Electronics

Published 2020

... as a Service (PaaS), and Software as a Service (SaaS), ... from an insider of a cloud service provider is a significant security ... This risk includes remote software or hardware hits on cloud ...

Analysis of various security issues and challenges in cloud computing environment: a surveyGoogle Scholar · [www.iqi-global.com](#) · Guo Z · Identity Theft, Breakthroughs in Research and Practice

Published 2017

... servers and software networks, and allows centralized data storage ... of cloud SaaS applications. However, to overcome the ... APIs, Cloud service providers released a set of software inter...

Cloud computing review: concepts, technology, challenges and securityGoogle Scholar · [www.researchgate.net](#) · Biye M · International Journal of Cloud Computing

Published 2017

... over the process, insider attacks by cloud service providers (... of service like hardware, software, platform, infrastructure, data ... SaaS is a collection of software or services or applications ...

Survey on security issues in cloud computing and associated mitigation techniquesGoogle Scholar · [arxiv.org](#) · Bhaskar A · arXiv preprint arXiv:1904.07564

Published 2012

... Software as a Service (SaaS) is the topmost layer which ... The cloud service providers insist that their servers and the data ... the cloud, it complicates the process of mapping the data flow ...

Cloud computing security threats and attacks with their mitigation techniquesGoogle Scholar · [www.researchgate.net](#) · Amaris N · 2017 International Conference on Cyber-Enabled Distributed

Computing and Knowledge Discovery (CyberC)

Published 2017

... SPI (Software, Platform, and Infrastructure) service framework ... by SaaS providers need to be secure using various methods ... Phishing Attacks- The attacker makes use of cloud service in ...

A combiner approach to protect cloud computing against XML DDoS and HTTP DDoS attackGoogle Scholar · [ieeexplore.ieee.org](#) · Karmali T · 2012 IEEE Symposium Conference on Electrical Electronics and Computer Science

Published 2012

... these attacks this paper introduce a security service called ... Software as a Service becomes true; Cloud offers Software ... on SaaS layer. This paper is concentrating on API security. Every ...

A systematic literature review on cloud computing security: threats and mitigation strategiesGoogle Scholar · [ieeexplore.ieee.org](#) · Alkuffi B · IEEE Access

Published 2021

...) The SaaS model facilitates users to access the software ... 4) SEARCH PROCESS We launched a search process on the ... which can harm the data security from cloud service providers. ...

Security and privacy in cloud computing
Google Scholar · www.researchgate.net · Xiao Z · IEEE communications surveys & tutorials
Published 2012
... Software as a Service (SaaS) locates in the top layer, in ... of cloud system: service user, service instance, and the cloud
... the process of checking the data integrity with cloud storage in ...

Next > >>

About 39,663 results

Top 1000 results by filing date
Relative count of top 5 values

Assignees

Inventors

CPCs

About

Send Feedback

Public Datasets

Terms

Privacy Policy

Help

☐ 1 - 50

☐ 1. Current and Evolving Applications to Network Cybersecurity

This chapter focuses on cybersecurity challenges in the information and communications technology (ICT, also known as IT) arena and on machine learning (ML) methods to address some of these critical concerns. ML has many applications in cybersecurity including identifying network cyber threats and...

IEEE Xplore | Wiley-IEEE eBooks | 2023-01-01 | 4 | Wiley-IEEE Press 2023 (Edition: 1)

☐ 2. Systemic Risk and Vulnerability Analysis of Multi-cloud Environments

With the increasing use of multi-cloud environments, security professionals face challenges in configuration, management, and integration due to uneven security capabilities and features among providers. As a result, a fragmented approach toward security has been observed, leading to new attack...

230819882 | arXiv.org | 2023-08-02 | 4

☐ 3. A Study on the Security Requirements Analysis to build a Zero Trust-based Remote Work Environment

Recently, the usage of cloud services has been increasing annually, and with remote work becoming one of the new forms of employment within enterprises, the security of cloud-based remote work environments has become important. The existing work environment relies on a perimeter security model,...

240919875 | arXiv.org | 2024-01-08 | 4

☐ 4. Cybersecurity in Agile Cloud Computing--Cybersecurity Guidelines for Cloud Access

Organizations demand immediate, uninterrupted access for their users, no matter where they are located. Digital business transformation efforts, adopting Software as a Service (SaaS), working from home (especially following the COVID-19 pandemic), and emerging edge computing platforms have changed...

IEEE Xplore | IEEE Standards | 2022-08-27 | 4 | Cybersecurity in Agile Cloud Computing--Cybersecurity Guidelines for Cloud Access (Page(s): 1-35)

☐ 5. An investigative analysis into security in the clouds and the impact of virtualization on the security architecture

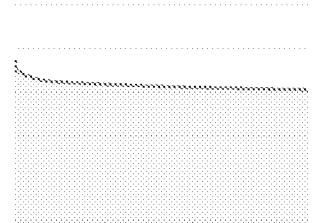
The new trend to increasing efficiency in Information Systems (IS) investments is to migrate data processing and storage to external service-centers and vendors that provide a commodity computing platforms that are called Cloud Computing. The approach advocates minimizing the local capabilities to...

IEEE Xplore | IEEE Conferences | 2011-11-01 | 4 | 2011 - MILCOM 2011 Military Communications Conference (Page(s): 1398-1374)

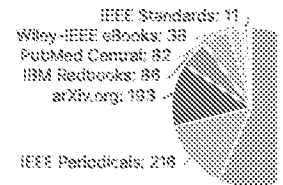
☐ 6. A Survey on Security issues in Cloud Systems

"The cloud" points out to servers, the databases and software that run on those servers. The Internet has always been constructed of infrastructure, servers and clients. Clients send their requests to servers, and servers reply, but cloud computation is distinct in the form that cloud servers are not...

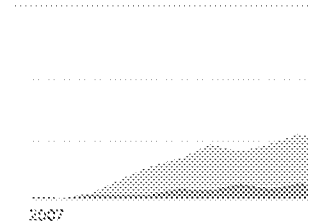
Relevance



Collections



Publication Date



Charts based on top 1500 results

[More V](#)

Keyboard Shortcuts

Result 1



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/584,659

RECEIPT DATE / TIME
04/12/2024 04:28:12 PM Z ET

ATTORNEY DOCKET #
WZIO P2750

Title of Invention

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 8657

FILED BY Sydney Manning

PATENT CENTER # 65075354

FILING DATE 02/22/2024

CUSTOMER # 122066

FIRST NAMED INVENTOR Amitai COHEN

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Michael Ben-Shimon

Documents

TOTAL DOCUMENTS: 3

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
WZIO_P2750_resp_nfoa_20240412.pdf		7	-	115 KB
WZIO_P2750_resp_nfoa_20240412-A....pdf	(1-1)	1	Amendment/Request for Reconsideration-After Non-Final Rejection	77 KB
WZIO_P2750_resp_nfoa_20240412-CLM.pdf	(2-5)	4	Claims	103 KB
WZIO_P2750_resp_nfoa_20240412-REM.pdf	(6-7)	2	Applicant Arguments/Remarks Made in an Amendment	80 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
WZIO_P2750_resp_nfoa_2024 0412.pdf	AAEDAF21F8C85CD91F56D61427B18B84830E9F4D23A99758A C6717DEC07AECF51B0DDD43E74557EE8C5A4B00620731BF9 409A8A5CF0DB8E6A89F792473157522
WZIO_P2750_resp_nfoa_2024 0412-A....pdf	5C05305D828365DE0CC9824559BCCAC1718681BC1B55176BA 3D728A2D484E7BB68233F3AD7CBBE3DB4C44E9A74CB88A82 FCB4DDC4E99E9AE99B1B8DF83AEA
WZIO_P2750_resp_nfoa_2024 0412-CLM.pdf	8E81B5A8CB41DD547AC540427445B47C9D1CA62CC4E64603 E7A9379FD8BE0875271F6C8B0FFB2B67DA4BB39EE8A68F685 4E8572F9DAAE76772F5C1A4E680D1EE
WZIO_P2750_resp_nfoa_2024 0412-REM.pdf	2EBDDA3BBD4F665622D9FB9A204577CBE30EE53AB47099349 12980DE241F77D279FF203DF20697692BD090B6021A09FF5A9 9E2B38D77B0843BEF4AD271CF7144

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Amitai Choen
Serial No: 18/584,659
Filed: February 22, 2024
Docket No.: WZIO P2750
Examiner: Stephen T Gundry
Art Unit: 2435
Confirmation No.: 8657

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

Responsive to the Non-Final Office Action dated **April 10, 2024**, the following remarks are hereby submitted. Reconsideration of the application is respectfully requested.

Amendments to the claims begin on page **2** of this paper.

Remarks begin on page **6** of this paper.

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for detecting a cybersecurity risk of an artificial intelligence (AI), comprising:

generating an inspectable disk based on an original disk of a resource deployed in a computing environment;

inspecting a computing environment the inspectable disk for an AI model deployed therein;

generating a representation of the AI model in a security database, the security database including a representation of the computing environment;

inspecting the AI model for a cybersecurity risk;

generating a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk; and

initiating a mitigation action based on the cybersecurity risk.

2. (Canceled)

3. (Currently Amended) The method of claim [[2]]1, further comprising:
detecting an artifact of the AI model on the inspectable disk.

4. (Original) The method of claim 1, further comprising:
inspecting the AI model to detect an AI model configured to execute a code object.

5. (Original) The method of claim 1, further comprising:
detecting a metadata of the AI model, wherein the metadata indicates that the AI model is a cybersecurity risk.

6. (Original) The method of claim 1, further comprising:
detecting in the AI model any one of: a secret, a certificate, a code, and any combination thereof.
7. (Original) The method of claim 1, further comprising:
generating a lateral movement path, wherein the lateral movement path includes the AI model, and a representation of a resource, wherein the resource is accessible utilizing the AI model.
8. (Original) The method of claim 1, further comprising:
applying a policy on the representation of the computing environment.
9. (Original) The method of claim 8, further comprising:
initiating the mitigation action based on the policy.
10. (Currently Amended) A non-transitory computer-readable medium storing a set of instructions for detecting a cybersecurity risk of an artificial intelligence (AI), the set of instructions comprising:
one or more instructions that, when executed by one or more processors of a device, cause the device to:
generate an inspectable disk based on an original disk of a resource deployed in a computing environment;
~~inspect a computing environment~~ the inspectable disk for an AI model ~~deployed therein;~~
generate a representation of the AI model in a security database, the security database including a representation of the computing environment;
inspect the AI model for a cybersecurity risk;
generate a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk; and
initiate a mitigation action based on the cybersecurity risk.

11. (Currently Amended) A system for detecting a cybersecurity risk of an artificial intelligence (AI) comprising:

a processing circuitry;

a memory, the memory containing instructions that, when executed by the processing circuitry, configure the system to:

generate an inspectable disk based on an original disk of a resource deployed in a computing environment;

~~inspect a computing environment~~ the inspectable disk for an AI model deployed therein;

generate a representation of the AI model in a security database, the security database including a representation of the computing environment;

inspect the AI model for a cybersecurity risk;

generate a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk; and

initiate a mitigation action based on the cybersecurity risk.

12. (Canceled)

13. (Currently Amended) The system of claim ~~[[12]]~~11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

detect an artifact of the AI model on the inspectable disk.

14. (Original) The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

inspect the AI model to detect an AI model configured to execute a code object.

15. (Original) The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

detect a metadata of the AI model, wherein the metadata indicates that the AI model is a cybersecurity risk.

16. (Original) The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

detect in the AI model any one of:
a secret, a certificate, a code, and any combination thereof.

17. (Original) The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

generate a lateral movement path, wherein the lateral movement path includes the AI model, and a representation of a resource, wherein the resource is accessible utilizing the AI model.

18. (Original) The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

apply a policy on the representation of the computing environment.

19. (Original) The system of claim 18, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

initiate the mitigation action based on the policy.

REMARKS

Claims 1-19 are pending, and claims 1, 8-11, and 18-19 are rejected under 35 U.S.C. §103. Claims 4. Claims 2-3, 7, 12-13, and 17 are indicated as having allowable subject matter.

By the foregoing amendments, various claims have been amended. The amendments to the claims are proper and justified and are supported by the specification and claims as originally filed. The amendments to the already pending claims have been made for reasons of form and not to avoid prior art. No new matter has been added.

Allowable Subject Matter

Claims 2-3, 7, 12-13, and 17 are indicated as including allowable subject matter. Applicant thanks Examiner Gundry for so indicating. By the forgoing amendments, claims 2 and 12 have been canceled, and their respective elements have been added to independent claims 1, 10, and 11.

Rejections of Claims Under 35 U.S.C. §103

Claims 1, 8-11, and 18-19 stand rejected under 35 U.S.C. §103 as allegedly being unpatentable Dambrot et al. (US 2023/0269272 A1), in view of Jeffords et al. (US 2022/0345457 A1). This ground of rejection is respectfully traversed for the following reasons.

Without conceding to the propriety of the rejection, claims 1, 10, and 11 are amended to include the allowable subject matter of claims 2 and 12, which are now canceled.

Withdrawal of this rejection is respectfully solicited.

CONCLUSION

Having fully addressed the Office Action's rejections it is believed that, in view of the preceding remarks, this application stands in condition for allowance. Accordingly, reconsideration and allowance are respectfully solicited. If, however, the Examiner is of the opinion that such action cannot be taken, the Examiner is invited to contact the Applicants' representative at (908) 274-3111, so that a mutually convenient date and time for a telephonic interview may be scheduled.

Any fee due this paper may be charged to, or overpayment credited to, deposit account **50-6438**.

Respectfully submitted,
M&B IP Analysts, LLC

/Michael Ben-Shimon/
Michael Ben-Shimon
Reg. No.: 69,610

Mail all correspondence to:
CUSTOMER NO.: 122066

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 18/584,659		Filing Date 02/22/2024		☐ To be Mailed			
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO											
APPLICATION AS FILED - PART I											
		(Column 1)		(Column 2)							
FOR		NUMBER FILED		NUMBER EXTRA		RATE (\$)		FEE (\$)			
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A		N/A		N/A					
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))		N/A		N/A		N/A					
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A		N/A		N/A					
TOTAL CLAIMS (37 CFR 1.16(i))		minus 20 = *				x \$100 =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 = *				x \$480 =					
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).									
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))											
* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL					
APPLICATION AS AMENDED - PART II											
		(Column 1)		(Column 2)		(Column 3)					
AMENDMENT	04/12/2024	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 17	Minus	** 20	= 0			x \$100 =		0	
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0			x \$480 =		0	
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
								TOTAL ADD'L FEE		0	
		(Column 1)		(Column 2)		(Column 3)					
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=			x \$0 =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=			x \$0 =			
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
								TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.								LIE			
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".								/PEARLIE A FENNEL/			
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".											
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.											

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/584,659	02/22/2024	Amitai COHEN	WZIO P2750	8657
122066	7590	04/10/2024		
M&B IP Analysts, LLC 150 Morristown Road Suite 205 Bernardsville, NJ 07924-2626			EXAMINER GUNDRY, STEPHEN T	
			ART UNIT	PAPER NUMBER
			2435	
			NOTIFICATION DATE	DELIVERY MODE
			04/10/2024	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

cofficeaction@appcoll.com
pair@mb-ip.com

Office Action Summary	Application No. 18/584,659	Applicant(s) COHEN et al.	
	Examiner STEPHEN T GUNDRY	Art Unit 2435	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 2/22/2024.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-19 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1,4-6,8-11,14-16 and 18-19 is/are rejected.
- 8) ☒ Claim(s) 2-3,7,12-13 and 17 is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 2/22/2024 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date 2/22/2024.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 4) ☐ Other: ____.

DETAILED ACTION

1. This office action is in response to the application filed on 2/22/2024. Claim(s) 1-19 is/are pending and are examined.

Notice of Pre-AIA or AIA Status

2. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Information Disclosure Statement PTO-1449

3. The Information Disclosure Statement(s) submitted by applicant on 2/22/2024 has/have been considered. The submission is in compliance with the provisions of 37 CFR § 1.97. Form PTO-1449 signed and attached hereto.

Examiner's Note - Allowable Subject Matter

4. Claims 2-3, 7, 12-13, and 17 overcome the prior art and would otherwise be allowable if incorporated into the base claim along with any intervening claims.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claim(s) 1, 8-11, and 18-19** is/are rejected under 35 U.S.C. 103 as being unpatentable over Dambrot et al. (US 2023/0269272 A1), in view of Jeffords et al. (US 2022/0345457 A1).

6. Regarding **claims 1, 10, and 11**, Dambrot teaches:

“A method for detecting a cybersecurity risk of an artificial intelligence (AI)
(Dambrot, ¶ 150 and 154 teaches a processor, memory and medium for executing method steps), **comprising:**

inspecting a computing environment for an AI model deployed therein (Dambrot, Figs. 4-5 and ¶ 120-121 asset discovery engine uses ml platform connector to search for assets, i.e., ai models, associated with a given job. Dambrot, ¶ 63 ai and ml are used interchangeably);

generating a representation of the AI model in a security database, the security database including a representation of the computing environment (Dambrot, Fig. 5 ¶ 121, assets are saved to database 514. Dambrot, ¶ 65-66 teaches the metadata discovered to represent the ai model);

inspecting the AI model for a cybersecurity risk (Dambrot, Fig. 7, ¶ 127 teaches the process of detecting security findings);

generating a representation of the cybersecurity risk in the security database (Dambrot, Fig. 6, ¶ 123 teaches that ml database stores data related to the ml asset and analysis result), **the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk** (Dambrot, Figs. 8A-8B and ¶ 128-129 depict a model security score and that model ACME 339814 has an adaptive application control error); **and**

a mitigation action based on the cybersecurity risk (Dambrot, Figs. 8A-8B and ¶ 128-129 depict that access to model ACME 339814 should be restricted based on its security flaw”).

Dambrot does not, but in related art Jeffords Fig. 6, ¶ 176 teaches implementation and execution of restricting access to an asset based on the result of an anomaly risk score.

Before applicant’s earliest effective filing it would have been obvious to one of ordinary skill in the art, having the teachings of Dambrot and Jeffords, to modify the ai cyber risk analysis system of Dambrot to include the method to execute mitigation actions including restricting access to assets as taught in Jeffords. The motivation to do constitutes applying a known technique to known devices and/or methods ready for improvement to yield predictable results.

7. Regarding **claims 8 and 18**, Dambrot in view of Jeffords teaches:

“The method of claim 1 (Dambrot in view of Jeffords teaches the limitations of the parent claims as discussed above), **further comprising:**

applying a policy on the representation of the computing environment (Dambrot, Figs. 8A-8B and ¶ 128-129 depict that access to model ACME 339814 should be restricted based on its security flaw”).

8. Regarding **claims 9 and 19**, Dambrot in view of Jeffords teaches:

“The method of claim 8 (Dambrot in view of Jeffords teaches the limitations of the parent claims as discussed above), **further comprising:**

initiating the mitigation action based on the policy (Jeffords Fig. 6, ¶ 176 teaches

implementation and execution of restricting access to an asset based on the result of an anomaly risk score)”.

9. **Claim(s) 4 and 14** is/are rejected under 35 U.S.C. 103 as being unpatentable over Dambrot in view of Jeffords in view of Obando Chacon et al. (US 2021/0029108 A1).

10. Regarding **claims 4 and 14**, Dambrot in view of Jeffords teaches:

“**The method of claim 1** (Dambrot in view of Jeffords teaches the limitations of the parent claims as discussed above)”.

Dambrot in view of Jeffords does not, but in related art, Obando teaches:

“**inspecting the AI model to detect an AI model configured to execute a code object** (Obando, ¶ 168 teaches determining a code object associated with an machine learning model for security analysis)”.

Before applicant’s earliest effective filing it would have been obvious to one of ordinary skill in the art, having the teachings of Dambrot, Obando, and Jeffords, to modify the ai cyber risk analysis system of Dambrot and Jeffords to include the method to detect a code object as taught in Obando. The motivation to do constitutes applying a known technique to known devices and/or methods ready for improvement to yield predictable results.

11. **Claim(s) 5 and 15** is/are rejected under 35 U.S.C. 103 as being unpatentable over Dambrot in view of Jeffords in view of Gupta Hyde et al. (US 2019/0050683 A1).

12. Regarding **claims 5 and 15**, Dambrot in view of Jeffords teaches:

“The method of claim 1 (Dambrot in view of Jeffords teaches the limitations of the parent claims as discussed above), **further comprising:**

detecting a metadata of the AI model (Dambrot, Fig. 5 ¶ 121, assets are saved to database 514. Dambrot, ¶ 65-66 teaches the metadata discovered to represent the ai model)”).

Dambrot in view of Jeffords does not, but in related art, Gupta teaches:

“wherein the metadata indicates that the AI model is a cybersecurity risk (Gupta, ¶ 62-64 teaches checking the model metadata for indication of risk to enforce policies)”).

Before applicant’s earliest effective filing it would have been obvious to one of ordinary skill in the art, having the teachings of Dambrot, Gupta, and Jeffords, to modify the ai cyber risk analysis system of Dambrot and Jeffords to include the method to analyze metadata for risk indication as taught in Gupta. The motivation to do constitutes applying a known technique to known devices and/or methods ready for improvement to yield predictable results.

13. **Claim(s) 6 and 16** is/are rejected under 35 U.S.C. 103 as being unpatentable over Dambrot in view of Jeffords in view of Kannan et al. (US 2021/0258160 A1).

14. Regarding **claims 6 and 16**, Dambrot in view of Jeffords teaches:

“The method of claim 1 (Dambrot in view of Jeffords teaches the limitations of the parent claims as discussed above)”).

further comprising: detecting in the AI model any one of: a certificate (Kannan, Figs. 11-12, ¶ 26 and 81 teaches detecting an AI certificate)”).

Before applicant's earliest effective filing it would have been obvious to one of ordinary skill in the art, having the teachings of Dambrot, Kannan, and Jeffords, to modify the ai cyber risk analysis system of Dambrot and Jeffords to include the method to detect an AI certificate as taught in Kannan. The motivation to do constitutes applying a known technique to known devices and/or methods ready for improvement to yield predictable results.

Conclusion

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen T Gundry whose telephone number is (571) 270-0507. The examiner can normally be reached Monday-Friday 9AM-5PM (EST).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hirl can be reached on (571) 272-3685. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/STEPHEN T GUNDRY/
Primary Examiner, Art Unit 2435

<i>Notice of References Cited</i>	Application/Control No. 18/584,659		Applicant(s)/Patent Under Reexamination COHEN et al.	
	Examiner STEPHEN T GUNDRY		Art Unit 2435	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-20230289604-A1	2023-09-14	Chan; Matthew	G06F21/577	1/1
*	B	US-20230351026-A1	2023-11-02	Cross; Shane	G06F9/455	1/1
*	C	US-20230269272-A1	2023-08-24	DAMBROT; Jonathan	H04L63/1408	726/22
*	D	US-20220345457-A1	2022-10-27	JEFFORDS; Christopher Michael	G06F21/6218	1/1
*	E	US-20190050683-A1	2019-02-14	Gupta Hyde; Maruti	G06V10/7747	1/1
*	F	US-20210258160-A1	2021-08-19	Kannan; Kalapriya	H04L9/32	1/1
*	G	US-11947698-B2	2024-04-02	Struttman; Christopher Edward	H04L9/3239	1/1
*	H	US-11949690-B2	2024-04-02	Lichtenstein; Avi Tal	H04L63/14	1/1
*	I	US-20240106846-A1	2024-03-28	KAPOOR; VIKRAM	G06F16/9038	1/1
*	J	US-20240106847-A1	2024-03-28	YADAV; NAVINDRA	H04L63/1433	1/1
*	K	US-20240104118-A1	2024-03-28	HERZBERG; Raaz	G06F16/285	1/1
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

<i>Search Notes</i> 	Application/Control No. 18/584,659	Applicant(s)/Patent Under Reexamination COHEN et al.
	Examiner STEPHEN T GUNDRY	Art Unit 2435

CPC - Searched*		
Symbol	Date	Examiner
H04L63/1441 H04L63/1433	04/04/2024	SG

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
palm inventors	04/04/2024	SG
pe2e text search	04/04/2024	SG
pe2e search in H04L63/1441 H04L63/1433	04/04/2024	SG
npl google patents ip.com	04/04/2024	SG

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

--	--

1 - 50

1. PALANTIR: An NFV-Based Security-as-a-Service Approach for Automating Threat Mitigation

Small and medium enterprises are significantly hampered by cyber-threats as they have inherently limited skills and financial capacities to anticipate, prevent, and handle security incidents. The EU-funded PALANTIR project aims at facilitating the outsourcing of the security supervision to external...

PL009819088 | PubMed Central | 2023-02-02 | 4 | Sensors (Basel, Switzerland), 23(2), 1659

2. Cybersecurity: Past, Present and Future

The digital transformation has created a new digital space known as cyberspace. This new cyberspace has improved the workings of businesses, organizations, governments, society as a whole, and day to day life of an individual. With these improvements come new challenges, and one of the main...

220701227 | wifiv.org | 2022-07-04 | 4

3. A Survey of Moving Target Defenses for Network Security

Network defenses based on traditional tools, techniques, and procedures (TTP) fail to account for the attacker's inherent advantage present due to the static nature of network services and configurations. To take away this asymmetric advantage, Moving Target Defense (MTD) continuously shifts the...

IEEE Xplore | IEEE Periodicals | 2020-03-25 | 3 | IEEE Communications Surveys & Tutorials

4. Security-Aware Provenance for Transparency in IoT Data Propagation

A successful application of an Internet of Things (IoT) based network depends on the accurate and successful delivery of data collected from numerous sources. A significant concern in IoT systems arises when end-users do not have sufficient transparency and are unaware of any potential data...

IEEE Xplore | IEEE Periodicals | 2023-01-01 | 3 | IEEE Access

5. Vulnerability of Cyber Security in Cloud Computing Environment

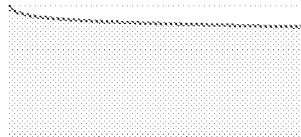
Cloud security breaches make it unattractive to utilize. Data security in cloud computing is currently an issue. Data that isn't safeguarded and storage that isn't secure enough are the major problems of cloud computing. Businesses must carefully evaluate security issues before transitioning to...

IEEE Xplore | IEEE Conferences | 2023-07-06 | 3 | 2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC) (Page(s): 572-580)

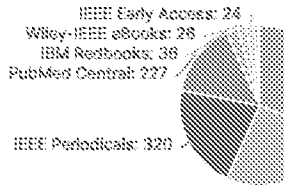
6. Current and Evolving Applications to Network Cybersecurity

This chapter focuses on cybersecurity challenges in the information and communications technology (ICT, also known as IT) arena and on machine learning (ML) methods to address some of these critical concerns. ML has many applications in cybersecurity including identifying network cyber threats and...

Relevance



Collections



Publication Date

2008

Charts based on top 1500 results

More V

Result 1

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number			
	Filing Date			
	First Named Inventor	Amitai COHEN		
	Art Unit			
	Examiner Name			
	Attorney Docket Number	WZIO P2750		

U.S.PATENTS							Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	10558823	B2	2020-02-11	Schroeder et al.	Entire Document	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS							Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	20220030009	A1	2022-01-27	Hasan	Entire Document	

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							☐

If you wish to add additional Foreign Patent Document citation information please click the Add button

Add

NON-PATENT LITERATURE DOCUMENTS				Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵	

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Amitai COHEN	
Art Unit		
Examiner Name		
Attorney Docket Number	WZIO P2750	

	1		☐
--	---	--	--------------------------

If you wish to add additional non-patent literature document citation information please click the Add button

Add

EXAMINER SIGNATURE

Examiner Signature	/STEPHEN T GUNDRY/	Date Considered	04/04/2024
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Amitai COHEN	
Art Unit		
Examiner Name		
Attorney Docket Number	WZIO P2750	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).
- OR
- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).
- ☐ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Michael Ben-Shimon/	Date (YYYY-MM-DD)	2024-02-22
Name/Print	Michael Ben-Shimon	Registration Number	69610

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Bibliographic Data

Application No: 18/584,659

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged: /STEPHEN T GUNDRY/

Examiner's Signature

Initials

Title:

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE
MODEL CYBERSECURITY RISK IN A COMPUTING
ENVIRONMENT

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
02/22/2024	726	2435	WZIO P2750
RULE			

APPLICANTS

Wiz, Inc., New York, NY, UNITED STATES

INVENTORS

Amitai COHEN, Kfar Saba, ISRAEL

Barak SHARONI, Tel Aviv, ISRAEL

Shir TAMARI, Tel Aviv, ISRAEL

George PISHA, Giv'atayim, ISRAEL

Itay ARBEL, Tel Aviv, ISRAEL

Daniel VELIKANSKI, Tel Aviv, ISRAEL

Yaniv SHAKED, Tel Aviv, ISRAEL

CONTINUING DATA

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

03/06/2024

STATE OR COUNTRY

ISRAEL

ADDRESS

M&B IP Analysts, LLC

150 Morristown Road

Suite 205

Bernardsville, NJ 07924-2626

UNITED STATES

FILING FEE RECEIVED

\$6,320

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	83638	(H04L63/1441 H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:35 PM
L2	7621	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:35 PM
L3	3952	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:35 PM
L4	1880	(H04L63/1441).cpc. AND (H04L63/1433).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/04/04 12:35 PM

		AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc.	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L5	685	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:35 PM
L6	619	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:36 PM
L7	272	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc. AND h04l63/146\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO,	OR	ON	ON	2024/04/04 12:36 PM

			RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L8	26	(H04L63/1441).cpc. AND (H04L63/1433).cpc. AND (@ad<"20240222" @rlad<"20240222") AND g06f21/\$.cpc. AND h04l63/142\$.cpc. AND h04l63/145\$.cpc. AND h04l63/141\$.cpc. AND h04l63/146\$.cpc. AND h04l63/147\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:36 PM
L9	246	7 NOT 8	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:38 PM
L10	34	((("COHEN") near3 ("Amitai")) OR ((("SHARONI") near3 ("Barak")) OR ((("TAMARI") near3 ("Shir")) OR ((("PISHA") near3 ("George")) OR ((("ARBEL") near3 ("Itay")) OR ((("VELIKANSKI") near3 ("Daniel")) OR ((("SHAKED") near3 ("Yaniv")))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/04/04 12:38 PM
L11	49	((("COHEN") near3 ("Amitai")) OR ((("SHARONI") near3 ("Barak")) OR ((("TAMARI") near3 ("Shir")) OR ((("PISHA")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/04/04 12:38 PM

		near3 ("George")) OR (("ARBEL") near3 ("Itay")) OR (("VELIKANSKI") near3 ("Daniel")) OR (("SHAKED") near3 ("Yaniv"))).INV.	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L12	5	(H04L63/1441 H04L63/1433).cpc. AND 11	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:39 PM
L13	20	((("WIZ") near3 ("INC"))).AS,AANM.	(USPAT)	OR	ON	ON	2024/04/04 12:40 PM
L14	187	((("WIZ") near3 ("INC"))).AS,AANM.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 12:41 PM
L16	45	(H04L63/1441 H04L63/1433).cpc. AND 14	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2024/04/04 12:41 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L17	2	us-20230275917-\$.did.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 01:02 PM
L18	34	(Artificial Intelligence) More like doc: US-20230275917-A1 Text: (WO-2023215491-A1 OR US-20220311794-A1 OR US-20230032686-A1 OR US-20220329616-A1 OR US-11849000-B2 OR US-20230075355-A1 OR WO-2023038957-A1 OR WO-2024044053-A1 OR US-20220360600-A1 OR US-20230319092-A1 OR US-11818156-B1 OR US-20240080329-A1 OR US-11792284-B1 OR US-20220279004-A1 OR WO-2023081098-A1 OR US-11765249-B2 OR US-20220215101-A1 OR US-20220294816-A1 OR US-11741238-B2 OR US-20220303295-A1).did.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/04 01:02 PM
L19	267	("20230275917" "20230388352" "20240080329" "20220329616" "11936622" "11818156" "20230161614" "20230032686"	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/04 01:03 PM

		"20220303295" "11770398" "20220342690" "20220215101" "20220200869" "20230161871" "20230075355" "20220311794" "20230164174" "20220247769" "20230221983" "20230319092" "11943251" "20220294816" "20220224707" "20240106846" "20220279004" "20220400129" "20160330219" "20200145381" "20230254330" "20230328086" "20220400130" "20220232024" "20230379342" "20230113621" "11683333" "20220360600" "20200265356" "11895121" "20200177618" "20230247063" "20240089272" "11792284" "11875306" "20240048566" "20230308459" "20230351026" "20230247044" "20210326467" "20230118388" "20220131887" "20230370490" "20230388325" "20230208862" "20170063886" "20240039929" "20230247048" "11290483" "20230269272" "20230370491" "20200213336" "20230300112" "20210409426" "20240080338" "20220014534" "20230105028" "20210398225" "20220383093"					
--	--	---	--	--	--	--	--

		"20220261487" "20220070202" "20200201989" "20210173940" "20220060497" "20200285737" "20210400071" "20230412620" "20230205891" "20230396635" "20190342324" "20230246844" "20230342126" "20240039936" "20240039954" "20210248443" "20230208873" "20230336578" "20220210200" "20220131894" "20230412630" "20230300164" "20220237565" "20230370439" "20230379356" "20200074084" "20230262077" "20200322361" "20180322584" "20230245156" "20230300165" "20220201042" "20240104235" "20220342846" "20220012814" "20210014265" "20240031391" "11949690" "20190327271" "20230177613" "20220345457" "20240104118" "20230252383" "20220224723" "20220224702" "20230421588" "20180020021" "20230421573" "20200175175" "20200137104" "20190132350" "20190188797" "11936785" "20230412631" "20220131888" "20230319050" "20230362200" "20230319067"					
--	--	--	--	--	--	--	--

		"20240064159" "20190190945" "20230259657" "20230318845" "20240054229" "20220377093" "20230291755" "20230114997" "20240106847" "20230319100" "20230319068" "20200410001" "20230308460" "20220060511" "11736527" "20230336550" "20230319086" "20220156631" "20230308474" "20200380138" "20230328417" "11943254" "20200349647" "20230336554" "20230342684" "11184401" "20240031376" "20220141188" "20220027496" "20150381649" "20240104240" "20170366353" "20230289604" "20230169170" "20230069334" "20170364699" "20200177617" "20240037463" "20200327223" "20210110319" "20220100867" "20230308487" "20210176260" "20230139000" "20230135660" "20240015185" "20240022609" "11947698" "20220014561" "20210211438" "20220060509" "20220078210" "20230208871" "20210092134" "20220263860" "20230077527" "20240037218" "20210092150"					
--	--	--	--	--	--	--	--

		"11470106" "20170364700" "20230319019" "20180219894" "20220004645" "20150264077" "20190236661" "20170251013" "20220058745" "20230259860" "20240098072" "20230362142" "20190379699" "20230033317" "20200028862" "11886610" "20230370499" "20220060507" "20220366332" "20230388278" "20230259857" "20230421593" "20210194905" "20240054228" "20230412635" "20210182387" "20190098037" "20210294901" "20210019674" "20230412626" "20210360032" "11768945" "20210073915" "20230008173" "20070050777" "11503075" "20210133331" "20220368726" "20240056460" "20180205552" "20200204574" "20220060453" "20180375886" "20170364450" "11757907" "20230328096" "20220129560" "20130097706" "20160359895" "20210211441" "20230247043" "20220014556" "20220101326" "20230315413" "20210273961" "20230088676" "20230018159" "20210359980"					
--	--	---	--	--	--	--	--

		"20190312910" "20210042217" "20200296124" "20230078448" "20230009127" "20210226983" "20220335340" "20220247784" "10749890" "20220038902" "11935416" "10558809" "20170364701" "20230171266" "20230367911" "20220150270" "20230134945" "20230370495" "11943240" "11941054" "20230007483" "20180159891" "20070136788" "20220036301" "20210357823" "20210352099").did.					
L20	222	(ai artificial NEAR intelligence ml machine NEAR learning) AND 19	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/04 01:05 PM
L21	1	(restrict\$3 WITH access WITH mitigat\$3 WITH (ai ml)) AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 12:46 PM
L22	18	(restrict\$3 WITH access WITH mitigat\$3 WITH (asset)) AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2024/04/05 12:47 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L23	4	((US-20230289604-A1 OR US-20230351026-A1 OR US-20230269272-A1 OR US-20220345457-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:15 PM
L24	3	23 AND (metadata AND risk)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:15 PM
L25	2	23 AND (metadata SAME risk)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:15 PM
L26	282	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/04/05 01:19 PM

		AND (@ad<"20240222" @rlad<"20240222")	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L27	153	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk AND (@ad<"20240222" @rlad<"20240222")	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 01:21 PM
L28	47	(ai artificial NEAR intelligence ml machine NEAR learning) WITH metadata WITH risk AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 01:23 PM
L29	4	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457- A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:33 PM
L30	5	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457-A1 OR US-20190050683- A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/04/05 01:34 PM

			IBM_TDB)				
L31	4	30 AND (secret certificate code)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:34 PM
L32	474	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 01:37 PM
L33	1485	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:37 PM
L34	141	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (secret certificate) WITH (detect\$3) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:37 PM

L35	112	(ai artificial NEAR intelligence ml machine NEAR learning) near3 (secret certificate) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 01:38 PM
L36	1187	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:44 PM
L37	19	(ai artificial NEAR intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code NEAR object) AND (@ad<"20240222" @rlad<"20240222") AND h04l63/\$.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:44 PM
L38	6	((US-20230289604-A1 OR US-20230351026-A1 OR US-20230269272-A1 OR US-20220345457-A1 OR US-20190050683-A1 OR US-20210258160-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 01:45 PM
L39	0	(ai artificial NEAR	(US-PGPUB; USPAT;	OR	ON	ON	2024/04/05

		intelligence ml machine NEAR learning) WITH (execut\$4) WITH (code) AND 38	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				01:45 PM
L40	6	((US-20230289604-A1 OR US-20230351026- A1 OR US- 20230269272-A1 OR US-20220345457-A1 OR US-20190050683- A1 OR US- 20210258160-A1).did. AND PGPB.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/04/05 02:02 PM
L41	263	19 NOT 40	(US-PGPUB; USPAT)	OR	ON	ON	2024/04/05 02:02 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Patents

(data) (user) (nodes) (graph) (identifying) before:priority:20171127



✎ data; user; nodes; graph; identifying; Before: priority 2017-11-27;

More than 100,000 results

Download ▾ Side-by-side

Sort by: Relevance ▾ Group by: None ▾ Deduplicate by: Family ▾ Results / page: 10 ▾

Tensorflow: Large-scale machine learning on heterogeneous distributed systems

Google Scholar · [arxiv.org](#) · Abadi M · [arXiv preprint arXiv:1603.04467](#)

Published 2016

... in the **graph** using the **graph** dependencies to **determine** the ... In particular we were able to **identify** operations and ... rors in real time as opposed to **identifying** divergent behavior post-hoc. ...

Inductive representation learning on large graphs

Google Scholar · [proceedings.neurips.cc](#) · Hamilton W · *Advances in neural information processing systems*

Published 2017

... to **identifying** protein functions. However, most existing approaches require that all **nodes** in the **graph** ... can learn to map **nodes** to indicator vectors and **identify node** neighborhoods. The ...

An introduction to outlier analysis

Google Scholar · [www.nobunim.nih.gov](#) · Aggarwal C · *Outlier analysis*

Published 2017

... The specificity of the sequence is relevant to **identifying** the ... for **finding** the outliers in the **data** distributions of Figure 1 4, ... clustering **graph data** sets, and are often used in order to **identify** ...

A survey of data mining and machine learning methods for cyber security intrusion detection

Google Scholar · [ieeexplore.ieee.org](#) · Budzík P · *IEEE Communications surveys & tutorials*

Published 2015

... IDSs help discover, **determine**, and **identify** unauthorized **use**, ... for **finding** patterns in high-dimensional unlabeled **data**. It is ... that EXPOSURE is useful in automatically **identifying** a ...

Network analysis: an integrative approach to the structure of psychopathology

Google Scholar · [www.researchgate.net](#) · Burtcham D · *Annual review of clinical psychology*

Published 2013

... The *present review* examines methodologies suited to **identify** ... (ie, **identifying** the presence of a third copy of chromosome 21). ... We all agree that **finding** out why some people are more ...

Clumpak: a program for identifying clustering modes and packaging population structure inferences across K

Google Scholar · [www.nobunim.nih.gov](#) · Kopelman N · *Molecular ecology resources*

Published 2015

... and the mean **node** degree across all **nodes** in the **graph** is at least ... (2009), we found that Clumpak can **identify** major and minor ... for each value of K, **finding** that this approach, set as the ...

Reversed graph embedding resolves complex single-cell trajectories

Google Scholar · [www.nobunim.nih.gov](#) · Qiu X · *Methods*

Published 2017

... restricted to **identifying** a single branch or require the user to ... PGE solves this problem by **finding** a mapping between the ... 2 can **use** the principal **graph** that it learns to directly **identify** ...

Learning to discover social circles in ego networks

Google Scholar · [proceedings.neurips.cc](#) · Leskovec J · *Advances in neural information processing systems*

Published 2012

... their circles either manually, or in a naive fashion by **identifying** ... **user** with her personal social network, our goal is to **identify** ... is able to automatically **determine** both the number of circles ...

Representation learning on graphs: Methods and applications

Google Scholar · [arxiv.org](#) · Hamilton W · [arXiv preprint arXiv:1709.05584](#)

Published 2017

... is **finding** a way to represent, or encode, **graph** structure so ... a test dataset for **detecting** structural roles, where **nodes** are ... because the **graph** Fourier transform requires **identifying** and ...

Mining of massive datasets

Google Scholar · [hibikitea.unsw.edu.au](#) · Rajaraman A

Published 2011

... objects is represented by **finding** the strongest statistical ... , it is not possible to **identify** these words as characteristic ... of documents that are useful for **determining** the topic of each ...

Next > >> More than 100,000 results

Top 1000 results by filing date
Relative count of top 5 values

Assignees Inventors CPCs

About Send Feedback Public Datasets Terms Privacy Policy Help



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/584,659	02/22/2024	Amitai COHEN	WZIO P2750	8657
122066	7590	03/28/2024	EXAMINER	
M&B IP Analysts, LLC			CENTRAL, DOCKET	
150 Morristown Road			ART UNIT	PAPER NUMBER
Suite 205			OPAP	
Bernardsville, NJ 07924-2626			NOTIFICATION DATE	DELIVERY MODE
			03/28/2024	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

cofficeaction@appcoll.com
pair@mb-ip.com

<i>Decision Granting Request for Prioritized Examination (Track I)</i>	Application No. 18/584,659	Applicant(s) COHEN et al.	
	Examiner FIKIRTE A GEREMEW	Art Unit OMBL	AIA (FITF) Status Yes

1. THE REQUEST FILED 22 February 2024 IS **GRANTED** .

The above-identified application has met the requirements for prioritized examination

A. ☒ for an original nonprovisional application (Track I).

B. ☐ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination.** The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:

A. filing a **petition for extension of time** to extend the time period for filing a reply;

B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims**, or a multiple dependent claim;

C. filing a **request for continued examination** ;

D. filing a notice of appeal;

E. filing a request for suspension of action;

F. mailing of a notice of allowance;

G. mailing of a final Office action;

H. completion of examination as defined in 37 CFR 41.102; or

I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to FIKIRTE GEREMEW at (703) 756-1930. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/FIKIRTE A GEREMEW/ PROGRAM SUPPORT SPECIALIST, OMBL	
---	--



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
18/584,659	02/22/2024		1980	WZIO P2750	19	3

CONFIRMATION NO. 8657

122066
M&B IP Analysts, LLC
150 Morristown Road
Suite 205
Bernardsville, NJ 07924-2626

FILING RECEIPT



0000000069260128

Date Mailed: 03/07/2024

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Amitai COHEN, Kfar Saba, ISRAEL;
Barak SHARONI, Tel Aviv, ISRAEL;
Shir TAMARI, Tel Aviv, ISRAEL;
George PISHA, Giv'atayim, ISRAEL;
Itay ARBEL, Tel Aviv, ISRAEL;
Daniel VELIKANSKI, Tel Aviv, ISRAEL;
Yaniv SHAKED, Tel Aviv, ISRAEL;

Applicant(s)

Wiz, Inc., New York, NY;

Assignment For Published Patent Application

Wiz, Inc., New York, NY

Power of Attorney: The patent practitioners associated with Customer Number 122066

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/06/2024

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/584,659**

Projected Publication Date: 08/28/2025

Non-Publication Request: No

Early Publication Request: No

Title

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN
A COMPUTING ENVIRONMENT

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor

community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
18/584,659

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	320
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	700
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	800
TOTAL CLAIMS (37 CFR 1.16(i))	19 minus 20 =	*			OR	x =	0
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x =	0
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1820

APPLICATION AS AMENDED - PART II

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus **	=	x =		OR	x =	
Independent (37 CFR 1.16(h))	*	Minus ***	=	x =		OR	x =	
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus **	=	x =		OR	x =	
Independent (37 CFR 1.16(h))	*	Minus ***	=	x =		OR	x =	
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.



United States Patent and Trademark Office

Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office

WELCOME TO THE UNITED STATES PATENT AND TRADEMARK OFFICE (USPTO)

*Congratulations on taking the first step to protect your invention. You can now advertise or mark any products covered by this application for your invention as **"Patent Pending"** for as long as this application is pending!*

We are here to help you on the rest of your journey.

New to the process? The Patent Basics page will take you from "What is a patent?" to assistance with the application process.

- www.uspto.gov/PatentBasics

Consider cost savings. You might qualify for small entity or micro entity status, which means a discount on most USPTO patent fees.

- www.uspto.gov/EntityStatus

Become a registered electronic filer (eFiler). You'll gain access to the full capabilities of Patent Center. As a registered eFiler, you can electronically view your submission, track the progress of your application, and respond to USPTO correspondence.

- www.uspto.gov/NewPatentFilers

Learn how to identify which of your creative ideas might be intellectual property assets and how to protect them by using the USPTO Intellectual Property (IP) Identifier.

- ipidentifier.uspto.gov

We also provide Pro Se Assistance, support specifically geared for **independent inventors without an attorney or agent**. Follow the link below, call us at 866-767-3848, or email proseassistancecenter@uspto.gov.

- www.uspto.gov/ProSePatents

Need help near you? We have regional offices across the country, as well as Patent and Trademark Resource Centers in libraries in nearly every state, with specialists standing by to help you at no cost.

- www.uspto.gov/locations
- www.uspto.gov/ptrc

Contact us:

- **General information:** USPTO Contact Center
 - www.uspto.gov/help
- **Patent Center:**
 - Patent Electronic Business Center
 - www.uspto.gov/EBC
- **Pre or post-examination:** Application Assistance Unit
 - www.uspto.gov/PatentAssistance

Want to learn more?

- **Access our free services** all in one spot. Find all of our contact centers, nationwide services, events, education, and training.
 - www.uspto.gov/FreeServices
- **Connect with us** on Instagram, LinkedIn, Twitter, Facebook, and YouTube.
- **Hear about resources for startups, inventors, and entrepreneurs**, as well as our initiatives engaging women, the military community, and others. These programs offer helpful tips and tricks on identifying and managing your IP, finding options for funding, and expanding your network to support your business.
 - www.uspto.gov/startups
 - www.uspto.gov/inventors
 - www.uspto.gov/initiatives
- We hope you connect with us by subscribing to receive important notifications by email.
 - www.uspto.gov/subscribe

Kathi Vidal

Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office

Derrick Brent

Deputy Under Secretary of Commerce for Intellectual Property and
Deputy Director of the United States Patent and Trademark Office

IPR2025-01087

UNITED STATES
PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov**ELECTRONIC ACKNOWLEDGEMENT RECEIPT**APPLICATION #
18/584,659RECEIPT DATE / TIME
02/26/2024 02:52:25 PM Z ETATTORNEY DOCKET #
WZIO P2750**Title of Invention**TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN
A COMPUTING ENVIRONMENT**Application Information**APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 8657

FILED BY Sydney Manning

PATENT CENTER # 64439976

FILING DATE -

CUSTOMER # 122066

FIRST NAMED
INVENTOR Amitai COHENCORRESPONDENCE
ADDRESS -

AUTHORIZED BY Michael Ben-Shimon

Documents**TOTAL DOCUMENTS: 1**

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
WZIO_P2750_Declaration_assignment_20240222_.pdf	3	Oath or Declaration filed	195 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
WZIO_P2750_Declaration_assignment_20240222_.pdf	372FD73FE932DA2CD5229D67420F0AE427FDB98554A359A29 1BA7BC9A46BC3437753F3099E61DF524BE5CE50B8DCAA6C6 E256D29B0469B61690C7CA047C4D2C9

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS

As a below named inventor (designated as “the undersigned”), I hereby declare that:

This assignment is directed to: ☐ The attached application, or
☒ United States Application or PCT International Application
Number 18/584,659 filed on 2024-02-22

The application is entitled:

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POWER OF ATTORNEY: I hereby appoint all practitioners of **M&B IP ANALYSTS, LLC** who are listed under the USPTO Customer Number shown below as my practitioners to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

Address all correspondence to **CUSTOMER NUMBER 122066**.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

WHEREAS, **Wiz, Inc.** having an address at **One Manhattan West, 57th Floor, New York, NY, United States 10001** (hereinafter “ASSIGNEE”), is desirous of acquiring the entire right, title and interest in, to and under the above-identified application and invention, and to any Letters Patent(s) that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS

which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

The undersigned authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

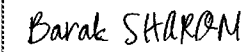
The undersigned covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith.

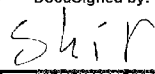
The undersigned further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The undersigned hereby grants the practitioners of **M&B IP Analysts, LLC** the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

In witness whereof, executed by the undersigned on the date below the undersigned name.

Inventor's Printed Name in English:	Amitai COHEN
Inventor's Residence:	Kfar Saba, Israel
Inventor's Signature:	<div>DocuSigned by:  EEA9B296E5A0446...</div>
Date:	2/26/2024

Inventor's Printed Name in English:	Barak SHARONI
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div>DocuSigned by:  B89C0EB4DF1B47A...</div>
Date:	2/25/2024

Inventor's Printed Name in English:	Shir TAMARI
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div>DocuSigned by:  486D5923315843C...</div>
Date:	2/25/2024

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS

Inventor's Printed Name in English:	George PISHA
Inventor's Residence:	Giv'atayim, Israel
Inventor's Signature:	<div>DocuSigned by: George PISHA 5252735A8B9845D...</div>
Date:	2/25/2024

Inventor's Printed Name in English:	Itay ARBEL
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div>DocuSigned by: Itay Arbel AD9D348938F04EA...</div>
Date:	22/02/2024

Inventor's Printed Name in English:	Daniel VELIKANSKI
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div>DocuSigned by: Daniel VELIKANSKI EDED4BB3D97B4B3...</div>
Date:	2/22/2024

Inventor's Printed Name in English:	Yaniv SHAKED
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div>DocuSigned by: Yaniv SHAKED D07087D6027B49D...</div>
Date:	2/22/2024

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI50716

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Amitai Cohen	02/26/2024
Barak Sharoni	02/25/2024
Shir Tamari	02/25/2024
George Pisha	02/25/2024
Itay Arbel	02/22/2024
Daniel Velikanski	02/22/2024
Yaniv Shaked	02/22/2024
RECEIVING PARTY DATA	
Company Name:	Wiz, Inc.
Street Address:	One Manhattan West
Internal Address:	57th Floor
City:	New York
State/Country:	NEW YORK
Postal Code:	10001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18584659
CORRESPONDENCE DATA	
Fax Number:	9082743113
<i>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.</i>	
Phone:	9082743111
Email:	pair@mb-ip.com
Correspondent Name:	M&B IP Analysts
Address Line 1:	150 Morristown Rd
Address Line 2:	Suite 205
Address Line 4:	Bernardsville, NEW JERSEY 07924
ATTORNEY DOCKET NUMBER:	WZIO P2750
NAME OF SUBMITTER:	Sydney Manning
SIGNATURE:	Sydney Manning

IPR2025-01087

DATE SIGNED:	02/26/2024
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 3 source=WZIO_P2750_Declaration_assignment_20240222_#page1.tif source=WZIO_P2750_Declaration_assignment_20240222_#page2.tif source=WZIO_P2750_Declaration_assignment_20240222_#page3.tif	

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS

As a below named inventor (designated as “the undersigned”), I hereby declare that:

This assignment is directed to: ☐ The attached application, or
☒ United States Application or PCT International Application
Number 18/584,659 filed on 2024-02-22

The application is entitled:

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POWER OF ATTORNEY: I hereby appoint all practitioners of **M&B IP ANALYSTS, LLC** who are listed under the USPTO Customer Number shown below as my practitioners to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

Address all correspondence to **CUSTOMER NUMBER 122066**.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

WHEREAS, **Wiz, Inc.** having an address at **One Manhattan West, 57th Floor, New York, NY, United States 10001** (hereinafter “ASSIGNEE”), is desirous of acquiring the entire right, title and interest in, to and under the above-identified application and invention, and to any Letters Patent(s) that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS

which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

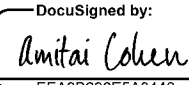
The undersigned authorizes and requests the Commissioner of Patents and Trademarks of the United States and any Official of any country or countries foreign to the United States who has duty to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

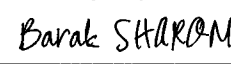
The undersigned covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith.

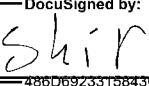
The undersigned further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The undersigned hereby grants the practitioners of **M&B IP Analysts, LLC** the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

In witness whereof, executed by the undersigned on the date below the undersigned name.

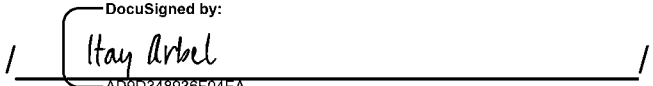
Inventor's Printed Name in English:	Amitai COHEN
Inventor's Residence:	Kfar Saba, Israel
Inventor's Signature:	<div style="text-align: center;"> <small>DocuSigned by:</small>  <small>EEA9B296E5A0446...</small> </div>
Date:	2/26/2024

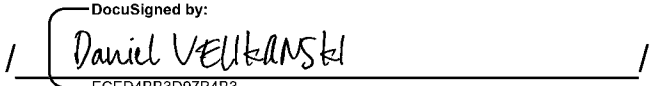
Inventor's Printed Name in English:	Barak SHARONI
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div style="text-align: center;"> <small>DocuSigned by:</small>  <small>B89C0EB4DF1B41A...</small> </div>
Date:	2/25/2024

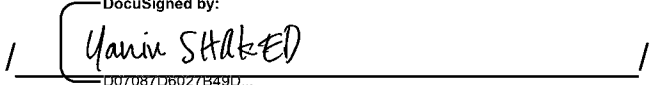
Inventor's Printed Name in English:	Shir TAMARI
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div style="text-align: center;"> <small>DocuSigned by:</small>  <small>486D6923315843C...</small> </div>
Date:	2/25/2024

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS

Inventor's Printed Name in English:	George PISHA
Inventor's Residence:	Giv'atayim, Israel
Inventor's Signature:	<div>DocuSigned by:  5252735A8B9845D...</div>
Date:	2/25/2024

Inventor's Printed Name in English:	Itay ARBEL
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div>DocuSigned by:  AD9D348938F04EA...</div>
Date:	22/02/2024

Inventor's Printed Name in English:	Daniel VELIKANSKI
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div>DocuSigned by:  EDED4BB3D97B4B3...</div>
Date:	2/22/2024

Inventor's Printed Name in English:	Yaniv SHAKED
Inventor's Residence:	Tel Aviv, Israel
Inventor's Signature:	<div>DocuSigned by:  D07087D6027B49D...</div>
Date:	2/22/2024

**CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION
UNDER 37 CFR 1.102(e) (Page 1 of 1)**

First Named Inventor:	Amitai COHEN	Nonprovisional Application Number (if known):	
Title of Invention:	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently \$0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.
2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.
3. The applicable box is checked below:

I. ☒ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

- i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.
---OR---
(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.
- ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, or the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. ☐ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

- i. A request for continued examination has been filed with, or prior to, this form.
- ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
- iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
- iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
- v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature /Michael Ben-Shimon/	Date 2024-02-22
Name (Print/Typed) Michael Ben-Shimon	Practitioner Registration Number 69610

Note: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.*

☐

*Total of _____ forms are submitted.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc Description: Internet Communications Authorized/Internet Communications Authorization Withdrawn

AUTHORIZATION FOR INTERNET COMMUNICATIONS IN A PATENT APPLICATION OR REQUEST TO WITHDRAW AUTHORIZATION FOR INTERNET COMMUNICATIONS

Application No.	
Filing Date	
First Named Inventor	Amitai COHEN
Art Unit	
Examiner Name	
Practitioner Docket No.	WZIO P2750

IPR2025-01087
Orca Security EX1002 Page 129

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

UNITED STATES
PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/584,659RECEIPT DATE / TIME
02/22/2024 04:44:29 PM Z ETATTORNEY DOCKET #
WZIO P2750

Title of Invention

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN
A COMPUTING ENVIRONMENT

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 8657

FILED BY Sydney Manning

PATENT CENTER # 64411112

FILING DATE -

CUSTOMER # 122066

FIRST NAMED Amitai COHEN
INVENTORCORRESPONDENCE -
ADDRESS

AUTHORIZED BY Michael Ben-Shimon

Documents

TOTAL DOCUMENTS: 10

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
WZIO_P2750_ads_20240222.pdf	10	Application Data Sheet	2224 KB
WZIO_P2750_Claims_spec_20240222-APP.TEXT.docx	33	Application body structured text document	59 KB
Warning: Bookmarks were found and have been removed.			
WZIO_P2750_drawings_20240222.pdf	7	Drawings-only black and white line drawings	516 KB
WZIO_P2750_Authorization_to_Charge_20240222.pdf	1	Miscellaneous Incoming Letter	110 KB
WZIO_General_POA.pdf	2	Power of Attorney	264 KB

Warning: The PDF file has been signed with a digital signature and the legal effect of

IPR2025-01087
Orca Security EX1002 Page 131

the document will be based on the contents of the file not the digital signature.

WZIO_P2750_internet_comms_20240222.pdf	2	Internet Communications Authorization	73 KB
WZIO_P2750_track_one_20240222.pdf	2	Track One Request	112 KB
WZIO_P2750_transmittal_20240222.pdf	2	Transmittal of New Application	376 KB
WZIO_P2750_Claims_spec_20240222.pdf	33	Auxiliary PDF of Application	193 KB
WZIO_P2750_ids_20240222.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1252 KB

Digest

DOCUMENT

MESSAGE DIGEST(SHA-512)

WZIO_P2750_ads_20240222.pdf	EDD7B54A5022A4E1BB5824C1D9ED8F6AE66E857245B76809D271EC0815B221425849C4FEFED97B9A4E9E1FDB15B4BFEE1C832893AA17AA37163A39A9E5A51AE1
WZIO_P2750_Claims_spec_20240222-APP.TEXT.docx	024C2730585F5B6365175FC9E5924D3540DD15D2AAF0FF0B658DA8A8AD7A9A26F5420C640DF6835AC59204BE4702F21150D8FBC778511AF89EFD3466E16BAB60
WZIO_P2750_drawings_20240222.pdf	14BEE5370C2B1A7876E1CBAF91B77D2CBAEAE06EE7CE27D7EFEDF160DC2E6CD5AD38FCFDBF9779C85879F749E6D6B12A59375387AD8FB1A226D0BA814D2D30C1
WZIO_P2750_Authorization_to_Charge_20240222.pdf	8D506ABB1F2DDEBD792752DC86FF06B5A8F336535C2CBA743826DA4655CAB08C38137FB2561C8DD19DD250285EC8BA15CB7807451B598870DCC0873706A5EFA9
WZIO_General_POA.pdf	17BD550457FFDB4E5540726EEB15AF49116D8782FCCB5A2931E00330EA151B0AE1D83F85C028AF9F79B2A685971B41AD75AD4DDD91AE6D8EE530BF1E3A453614
WZIO_P2750_internet_comms_20240222.pdf	961795B26EFA8D0BD39B39F4AAC0A94C454D1F3D5B9E9D6B8582838594F65CC63FEFD94106FF4A6170891A7230D8275D9DE17ECE339F4823EAEBA7BEA51F1BC3
WZIO_P2750_track_one_20240222.pdf	0CE5947F8DB56CE65E163082FA0265A6BF6A220F680DCD6E199F77DE1473E4D3449059D63369E5929F3CC6649FB5B07DCEE8FFFCB6370397703A684FB2EE00CC
WZIO_P2750_transmittal_20240222.pdf	328796D61D2D4A0139C8D2B9A018F4391B9BCC07C690BD8277B08B2C60DCAF42CF0188E676591CCE6F682B2328B0AC9DB80597AEC5F5FCE5684D9481123FD370

IPR2025-01087

WZIO_P2750_Claims_spec_20240222.pdf	31234D2C906BD23AE94F4C4E81B981A6C48BCE3FF558A452F605EE963079D95871567076809372A12487000CBC3F9918C0BB30F4953C757D0779B42A43ECF45F
WZIO_P2750_ids_20240222.pdf	ED2896B1B6F0E8F0EF72BE9E7A36C46A0A6EEFA563B59E63F432359C2486F32F9A8E864EA65C4931FDC5A84DB5D8459CFAB869973E5084FEFC808C98AAD4F60C

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	WZIO P2750
		Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2:

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--------------------------	---

Inventor Information:

Inventor 1					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Amitai		COHEN		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Kfar Saba	Country of Residence ⁱ	IL		
Mailing Address of Inventor:					
Address 1		c/o Wiz, Inc.			
Address 2		One Manhattan West, 57th Floor			
City	New York	State/Province	NY		
Postal Code	10001	Country ⁱ	US		
Inventor 2					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Barak		SHARONI		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Tel Aviv	Country of Residence ⁱ	IL		
Mailing Address of Inventor:					
Address 1		c/o Wiz, Inc.			
Address 2		One Manhattan West, 57th Floor			
City	New York	State/Province	NY		
Postal Code	10001	Country ⁱ	US		
Inventor 3					Remove
Legal Name					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	WZIO P2750
		Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		

Prefix	Given Name	Middle Name	Family Name	Suffix
	Shir		TAMARI	
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service				
City	Tel Aviv		Country of Residence ⁱ	IL

Mailing Address of Inventor:				
Address 1		c/o Wiz, Inc.		
Address 2		One Manhattan West, 57th Floor		
City	New York		State/Province	NY
Postal Code	10001	Country ⁱ	US	
Inventor 4				Remove
Legal Name				

Prefix	Given Name	Middle Name	Family Name	Suffix
	George		PISHA	
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service				
City	Giv'atayim		Country of Residence ⁱ	IL

Mailing Address of Inventor:				
Address 1		c/o Wiz, Inc.		
Address 2		One Manhattan West, 57th Floor		
City	New York		State/Province	NY
Postal Code	10001	Country ⁱ	US	
Inventor 5				Remove
Legal Name				

Prefix	Given Name	Middle Name	Family Name	Suffix
	Itay		ARBEL	
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service				
City	Tel Aviv		Country of Residence ⁱ	IL

Mailing Address of Inventor:				
Address 1		c/o Wiz, Inc.		
Address 2		One Manhattan West, 57th Floor		
City	New York		State/Province	NY
Postal Code	10001	Country ⁱ	US	

IPR2025-01087

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	WZIO P2750
		Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		

Inventor 6 Remove				
Legal Name				
Prefix	Given Name	Middle Name	Family Name	Suffix
	Daniel		VELIKANSKI	
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service				
City	Tel Aviv	Country of Residence ⁱ	IL	

Mailing Address of Inventor:				
Address 1	c/o Wiz, Inc.			
Address 2	One Manhattan West, 57th Floor			
City	New York	State/Province	NY	
Postal Code	10001	Country ⁱ	US	

Inventor 7 Remove				
Legal Name				
Prefix	Given Name	Middle Name	Family Name	Suffix
	Yaniv		SHAKED	
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service				
City	Tel Aviv	Country of Residence ⁱ	IL	

Mailing Address of Inventor:				
Address 1	c/o Wiz, Inc.			
Address 2	One Manhattan West, 57th Floor			
City	New York	State/Province	NY	
Postal Code	10001	Country ⁱ	US	

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button.

Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	122066		
Email Address	pair@mb-ip.com	Add Email	Remove Email

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	WZIO P2750
		Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		

Application Information:

Title of the Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		
Attorney Docket Number	WZIO P2750	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	7	Suggested Figure for Publication (if any)	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	122066		

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	WZIO P2750
		Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)	Remove
Additional Foreign Priority Data may be generated within this form by selecting the Add button.				Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	WZIO P2750
		Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	WZIO P2750
	Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.			
Applicant 1			Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.			
Clear			
☒ Assignee	☐ Legal Representative under 35 U.S.C. 117	☐ Joint Inventor	
☐ Person to whom the inventor is obligated to assign.	☐ Person who shows sufficient proprietary interest		
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor: <div style="border: 1px solid black; width: 400px; height: 20px; display: inline-block;"></div>			
If the Applicant is an Organization check here. ☒			
Organization Name	Wiz, Inc.		
Mailing Address Information For Applicant:			
Address 1	One Manhattan West, 57th Floor		
Address 2			
City	New York	State/Province	NY
Country	US	Postal Code	10001
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. <div style="float: right;">Add</div>			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	WZIO P2750
		Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

[Remove](#)

If the Assignee or Non-Applicant Assignee is an Organization check here.



Organization Name

Wiz, Inc.

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1		One Manhattan West, 57th Floor	
Address 2			
City	New York	State/Province	NY
Country ⁱ	US	Postal Code	10001
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

[Add](#)**Signature:**[Remove](#)

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the **INITIAL** filing of the application **and** either box A or B is **not** checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Michael Ben-Shimon/		Date (YYYY-MM-DD)	2024-02-22	
First Name	Michael	Last Name	Ben-Shimon	Registration Number	69610

Additional Signature may be generated within this form by selecting the Add button.

[Add](#)

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	WZIO P2750
		Application Number	
Title of Invention	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1 The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
- 2 A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4 A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5 A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6 A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7 A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8 A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
- 9 A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

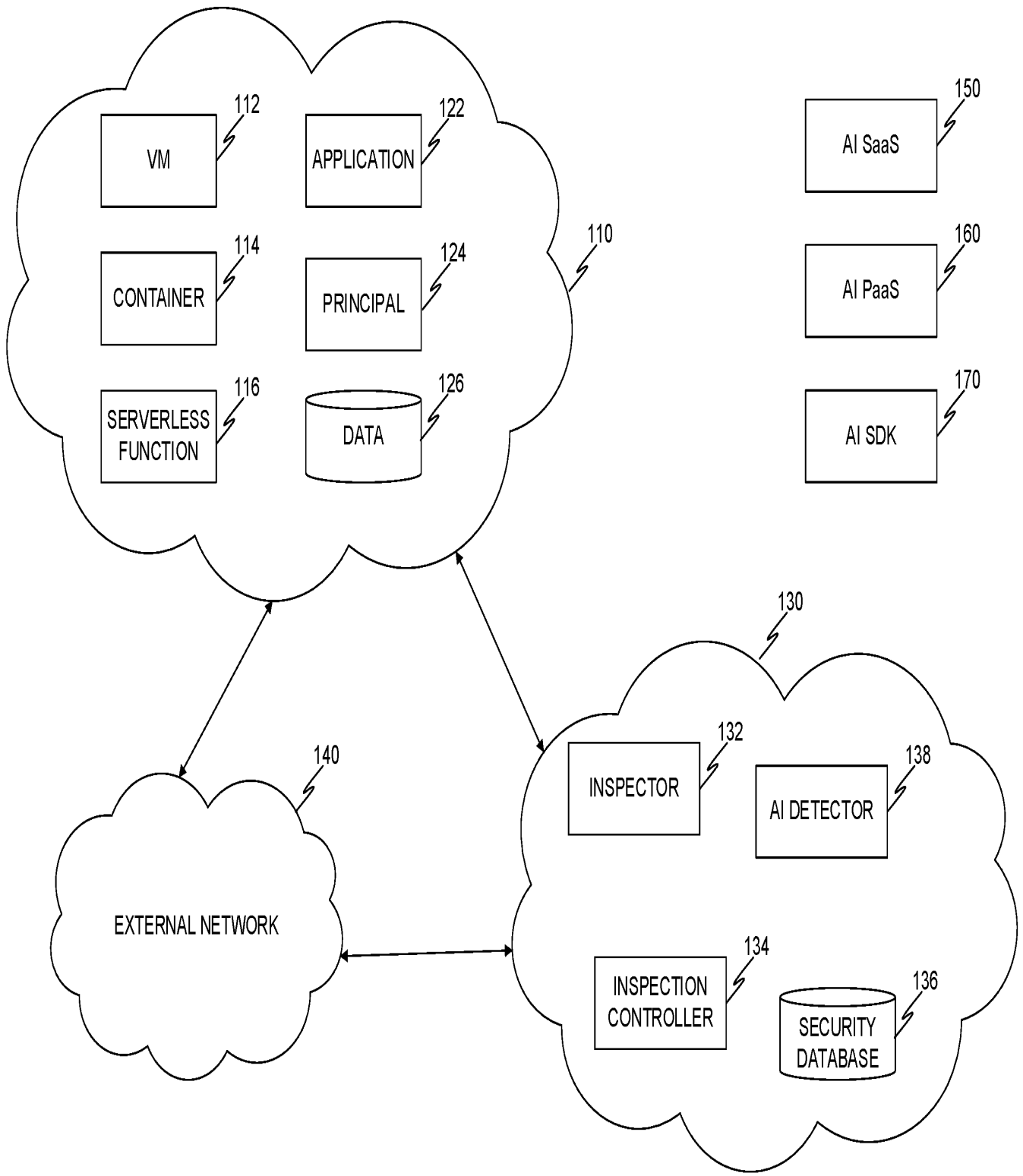


FIGURE 1

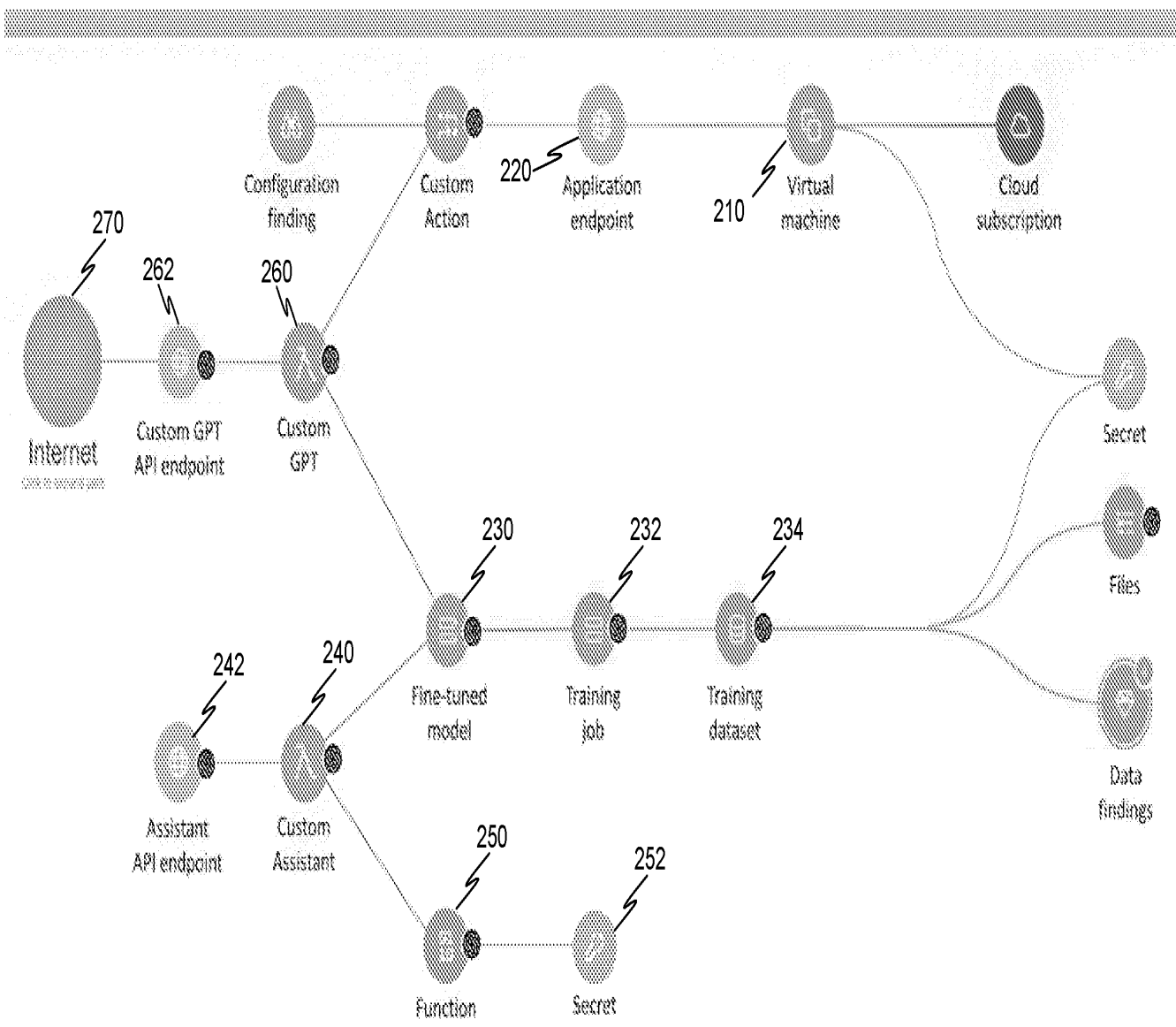


FIGURE 2

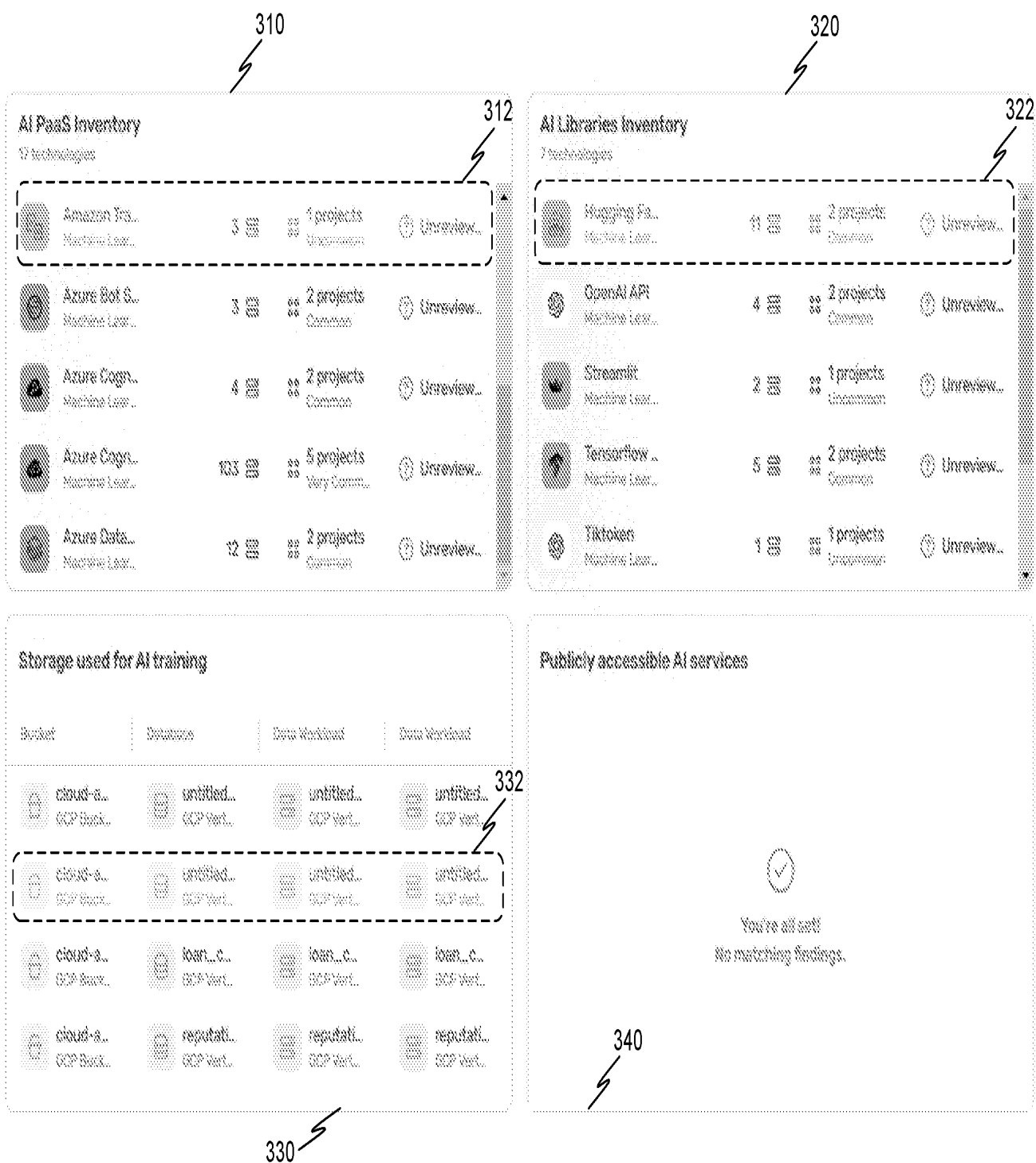


FIGURE 3

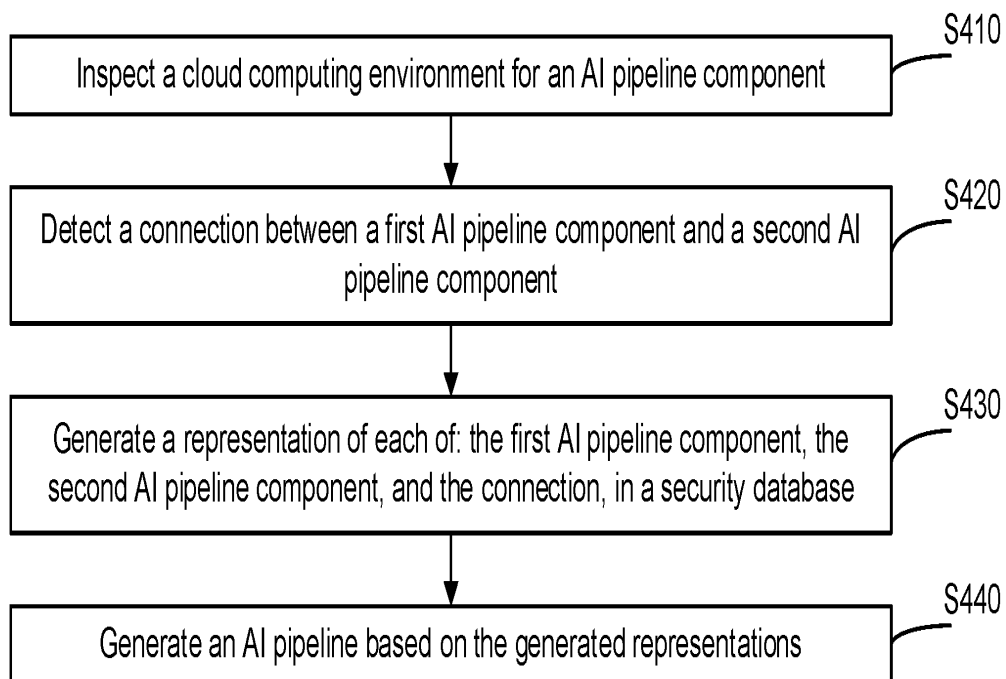


FIGURE 4

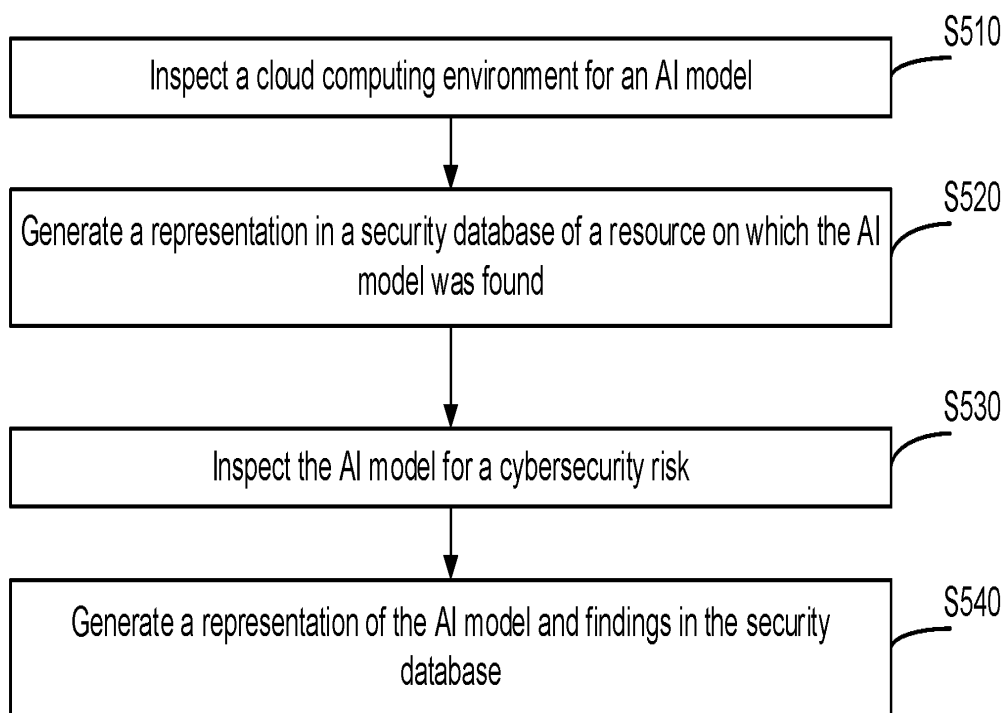


FIGURE 5

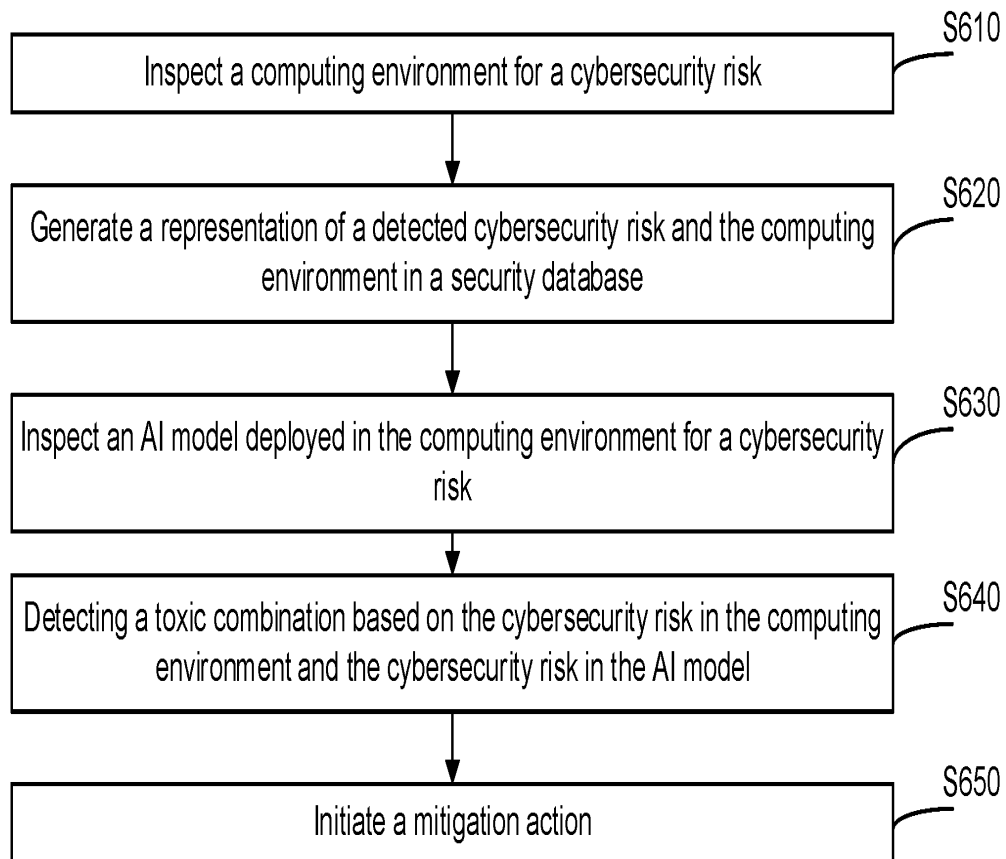


FIGURE 6

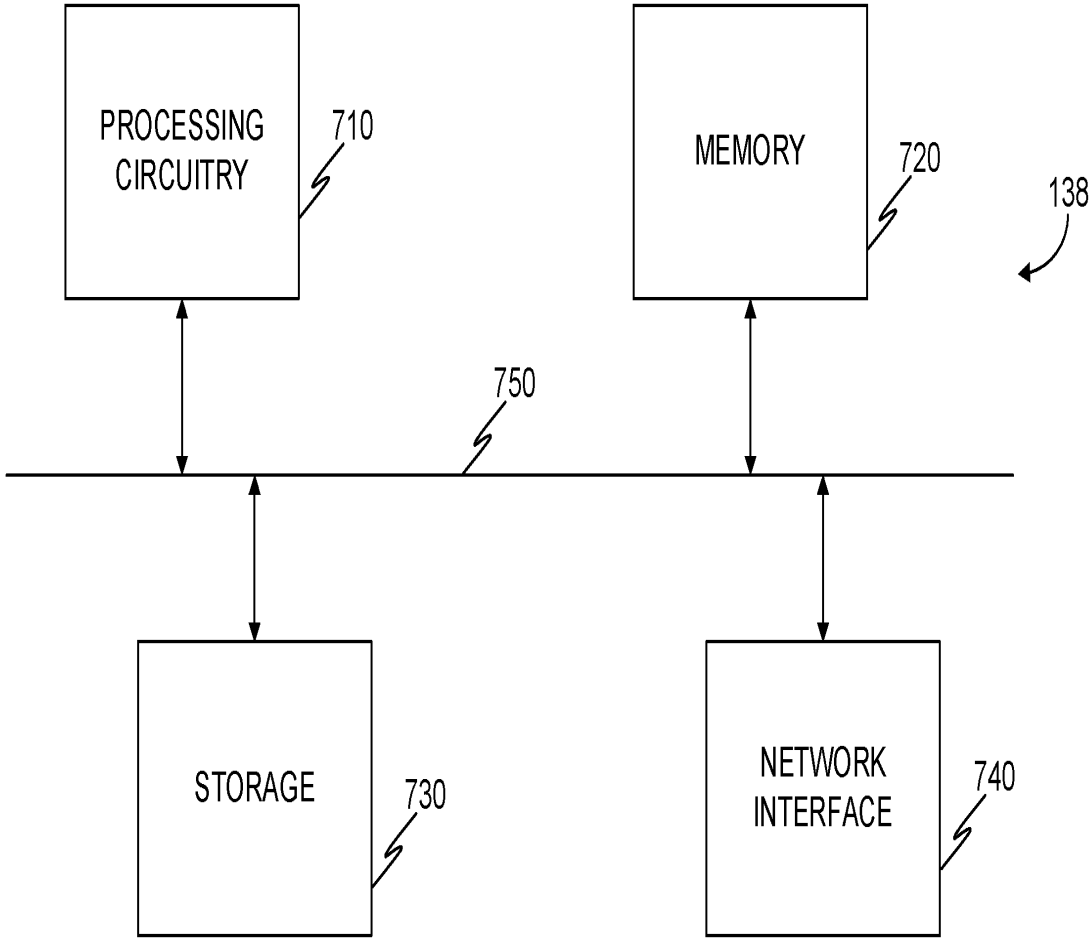


FIGURE 7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: **Amitai COHEN**
Application No.: **TBD**
Filed: **22 February 2024**
Customer No.: **122066**

Attorney Docket No.: **WZIO P2750**
Group Art Unit: **TBD**
Confirmation Number: **TBD**
Examiner: **TBD**

**Title: TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL
CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT**

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Authorization to Charge Deposit Account

Commissioner:

In accordance with the Non-Provisional Application submitted herewith, the Director is hereby authorized to charge any required fee except for excess claims fees required under 37 CFR 1.492(d) and (e) and multiple dependent claim fee required under 37 CFR 1.492(f), or credit any overpayment to, deposit account **50-6438**.

Respectfully submitted,

By: / Michael Ben-Shimon/
Michael Ben-Shimon
Reg. No. 69,610

Date: February 22, 2024

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

122066

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Wiz, Inc.

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Nir Dagan

Date (Optional) 3/16/2022

Name

Nir Dagan

Title

Legal Counsel

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 4.

IPR2025-01087

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	WZIO P2750																
		First Named Inventor	Amitai COHEN																
		Title	TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURE																
		Priority Mail Express® Label No.																	
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450																	
<div style="display: flex; flex-direction: row;"><div style="flex: 1;"><p>1. ☐ Fee Transmittal Form (PTO/SB/17 or equivalent)</p><p>2. ☐ Applicant asserts small entity status. See 37 CFR 1.27</p><p>3. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent.</p><p>4. ☒ Specification [Total Pages <u>33</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement)</p><p>5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>7</u>]</p><p>6. Inventor's Oath or Declaration [Total Pages _____] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e))</p><p style="margin-left: 20px;">a. ☐ Newly executed (original or copy)</p><p style="margin-left: 20px;">b. ☐ A copy from a prior application (37 CFR 1.63(d))</p><p>7. ☒ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent)</p><p>8. CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix)</p><p style="margin-left: 20px;">☐ Landscape Table on CD</p><p>9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. – c. are required)</p><p style="margin-left: 20px;">a. ☐ Computer Readable Form (CRF)</p><p style="margin-left: 20px;">b. ☐ Specification Sequence Listing on:</p><p style="margin-left: 40px;">i. ☐ CD-ROM or CD-R (2 copies); or</p><p style="margin-left: 40px;">ii. ☐ Paper</p><p style="margin-left: 20px;">c. ☐ Statements verifying identity of above copies</p></div><div style="flex: 1; border-left: 1px solid black; padding-left: 10px;"><p style="text-align: center;">ACCOMPANYING APPLICATION PAPERS</p><p>10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee _____</p><p>11. ☐ 37 CFR 3.73(c) Statement ☒ Power of Attorney (when there is an assignee)</p><p>12. ☐ English Translation Document (if applicable)</p><p>13. ☒ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached</p><p>14. ☐ Preliminary Amendment</p><p>15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized)</p><p>16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)</p><p>17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.</p><p>18. ☒ Other: Authorization for Internet Communications Authorization to Charge Deposit Account Track One Request _____ _____</p></div></div>																			
*Note: (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 must be included in an Application Data Sheet (ADS). (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).																			
19. CORRESPONDENCE ADDRESS																			
☒ The address associated with Customer Number: <u>122066</u> OR ☐ Correspondence address below																			
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td colspan="2">Name</td><td colspan="2"></td></tr><tr><td colspan="2">Address</td><td colspan="2"></td></tr><tr><td>City</td><td>State</td><td>Zip Code</td><td></td></tr><tr><td>Country</td><td>Telephone</td><td>Email</td><td></td></tr></table>				Name				Address				City	State	Zip Code		Country	Telephone	Email	
Name																			
Address																			
City	State	Zip Code																	
Country	Telephone	Email																	
Signature		/Michael Ben-Shimon/																	
Name (Print/Type)		Michael Ben-Shimon																	
Date		2024-02-22																	
Registration No. (Attorney/Agent)		69610																	

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0032. Public burden for this form is estimated to average 12 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. If filing this completed form by mail, send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IPR2025-01087

Orca Security EX1002 Page 154

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). <https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to: 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law; 2) a Federal, state, local, or international agency, in response to its request; 3) a contractor of the USPTO having need for the information in order to perform a contract; 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record; 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record; 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations; 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals; 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)); 9) the Office of Personnel Management (OPM) for personnel research purposes; and 9) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Additional Uses

Additional USPTO uses of the information in this record may include disclosure to: 1) the International Bureau of the World Intellectual Property Organization, if the record is related to an international application filed under the Patent Cooperation Treaty; 2) the public i) after publication of the application pursuant to 35 U.S.C. 122(b), ii) after issuance of a patent pursuant to 35 U.S.C. 151, iii) if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections, or an issued patent, or iv) without publication of the application or patent under the specific circumstances provided for by 37 CFR 1.14(a)(1)(v)-(vii); and/or 3) the National Archives and Records Administration, for inspection of records.



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/584,659

RECEIPT DATE / TIME
02/22/2024 04:44:29 PM Z ET

ATTORNEY DOCKET #
WZIO P2750

Title of Invention

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 8657

FILED BY Sydney Manning

PATENT CENTER # 64411112

AUTHORIZED BY Michael Ben-Shimon

CUSTOMER # 122066

FILING DATE -

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Amitai COHEN

Payment Information

PAYMENT METHOD
CARD / 0390

PAYMENT TRANSACTION ID
E20242LG45368200

PAYMENT AUTHORIZED BY
Sydney Manning

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1830	PROCESSING FEE, EXCEPT IN PROVISIONAL APPLICATIONS	140.00	1	140.00
1817	REQUEST FOR PRIORITIZED EXAMINATION	4200.00	1	4200.00
1111	UTILITY PATENT APPL. SEARCH FEE	700.00	1	700.00
1011	BASIC FILING FEE - UTILITY (PAPER FILING ALSO REQUIRES NON-ELECTRONIC FILING FEE UNDER 1.16(T))	320.00	1	320.00
1051	SURCHARGE- LATE FILING FEE, SEARCH FEE, EXAMINATION FEE, INVENTOR'S OATH OR DECLARATION, OR APPLICATION	160.00	1	160.00

FILED WITHOUT AT LEAST ONE
CLAIM OR BY REFERENCE

1311	PATENT APPL. EXAMINATION FEE	800.00	1	800.00
			TOTAL AMOUNT:	\$6,320.00

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

TECHNIQUES FOR DETECTING ARTIFICIAL INTELLIGENCE MODEL CYBERSECURITY RISK IN A COMPUTING ENVIRONMENT

TECHNICAL FIELD

[0001] The present disclosure relates generally to detecting artificial intelligence models, and specifically to implementing cybersecurity monitoring solutions on an AI development pipeline of a cloud computing environment.

BACKGROUND

[0002] Artificial intelligence (AI) applications are increasingly prevalent, as costs of computing hardware have plummeted significantly, and as AI models have improved their computational resource consumption, leading to an overall performance improvement.

[0003] This explosion in AI applications, with a rush to deploy AI solutions in various endeavors, presents new cybersecurity risks. Security teams lack knowledge and experience in AI systems, which can lead to vulnerabilities in implementations. AI systems are complex and ever-evolving, require new software tools that security teams may not be aware of, and also do not always have cybersecurity awareness about.

[0004] For example, an AI model may leak data, for example exposing sensitive data, secrets, etc. An AI model may be vulnerable to manipulation, such as by poisoning the training data. As with any rapidly evolving technology, the pace of evolution means that attackers can find an advantage over security teams.

[0005] It would therefore be advantageous to provide a solution that would overcome the challenges noted above.

SUMMARY

[0006] A summary of several example embodiments of the disclosure follows. This summary is provided for the convenience of the reader to provide a basic understanding of such embodiments and does not wholly define the breadth of the disclosure. This summary is not an extensive overview of all contemplated embodiments, and is intended to neither identify key or critical elements of all embodiments nor to delineate the scope of any or all aspects. Its sole purpose is to present some concepts of one or more embodiments in

a simplified form as a prelude to the more detailed description that is presented later. For convenience, the term “some embodiments” or “certain embodiments” may be used herein to refer to a single embodiment or multiple embodiments of the disclosure.

[0007] A system of one or more computers can be configured to perform particular operations or actions by virtue of having software, firmware, hardware, or a combination of them installed on the system that in operation causes or cause the system to perform the actions. One or more computer programs can be configured to perform particular operations or actions by virtue of including instructions that, when executed by data processing apparatus, cause the apparatus to perform the actions.

[0008] In one general aspect, a method for detecting a cybersecurity risk of an artificial intelligence (AI) may include inspecting a computing environment for an AI model deployed therein. A method for detecting a cybersecurity risk of an artificial intelligence (AI) may also include generating a representation of the AI model in a security database, the security database including a representation of the computing environment. A method for detecting a cybersecurity risk of an artificial intelligence (AI) may furthermore include inspecting the AI model for a cybersecurity risk. A method for detecting a cybersecurity risk of an artificial intelligence (AI) may in addition include generating a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk. A method for detecting a cybersecurity risk of an artificial intelligence (AI) may moreover include initiating a mitigation action based on the cybersecurity risk. Other embodiments of this aspect include corresponding computer systems, apparatus, and computer programs recorded on one or more computer storage devices, each configured to perform the actions of the methods.

[0009] Implementations may include one or more of the following features. The method further may include: generating an inspectable disk based on an original disk of a resource deployed in the computing environment; and inspecting the inspectable disk for the AI model. The method further may include: detecting an artifact of the AI model on the inspectable disk. The method further may include: inspecting the AI model to detect an AI model configured to execute a code object. The method further may include: detecting a metadata of the AI model, where the metadata indicates that the AI model is

a cybersecurity risk. The method further may include: detecting in the AI model any one of: a secret, a certificate, a code, and any combination thereof. The method further may include: generating a lateral movement path, where the lateral movement path includes the AI model, and a representation of a resource, where the resource is accessible utilizing the AI model. The method further may include: applying a policy on the representation of the computing environment. The method further may include: initiating the mitigation action based on the policy. Implementations of the described techniques may include hardware, a method or process, or a computer tangible medium.

[0010] In one general aspect, a non-transitory computer-readable medium storing a set of instructions for detecting a cybersecurity risk of an artificial intelligence (AI), the set of instructions may include one or more instructions that, when executed by one or more processors of a device, cause the device to: inspect a computing environment for an AI model deployed therein; generate a representation of the AI model in a security database, the security database including a representation of the computing environment; inspect the AI model for a cybersecurity risk; generate a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk; and initiate a mitigation action based on the cybersecurity risk. Other embodiments of this aspect include corresponding computer systems, apparatus, and computer programs recorded on one or more computer storage devices, each configured to perform the actions of the methods.

[0011] In one general aspect, a system for detecting a cybersecurity risk of an artificial intelligence (AI) may include a processing circuitry. A system for detecting a cybersecurity risk of an artificial intelligence (AI) may also include a memory, the memory containing instructions that, when executed by the processing circuitry, configure the system to: inspect a computing environment for an AI model deployed therein. A system for detecting a cybersecurity risk of an artificial intelligence (AI) may in addition generate a representation of the AI model in a security database, the security database including a representation of the computing environment. A system for detecting a cybersecurity risk of an artificial intelligence (AI) may moreover inspect the AI model for a cybersecurity risk. A system for detecting a cybersecurity risk of an artificial intelligence (AI) may also

generate a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk. A system for detecting a cybersecurity risk of an artificial intelligence (AI) may furthermore initiate a mitigation action based on the cybersecurity risk. Other embodiments of this aspect include corresponding computer systems, apparatus, and computer programs recorded on one or more computer storage devices, each configured to perform the actions of the methods.

[0012] Implementations may include one or more of the following features. The system where the memory contains further instructions which when executed by the processing circuitry further configure the system to: generate an inspectable disk based on an original disk of a resource deployed in the computing environment; and inspect the inspectable disk for the AI model. The system where the memory contains further instructions which when executed by the processing circuitry further configure the system to: detect an artifact of the AI model on the inspectable disk. The system where the memory contains further instructions which when executed by the processing circuitry further configure the system to: inspect the AI model to detect an AI model configured to execute a code object. The system where the memory contains further instructions which when executed by the processing circuitry further configure the system to: detect a metadata of the AI model, where the metadata indicates that the AI model is a cybersecurity risk. The system where the memory contains further instructions which when executed by the processing circuitry further configure the system to: detect in the AI model any one of: a secret, a certificate, a code, and any combination thereof. The system where the memory contains further instructions which when executed by the processing circuitry further configure the system to: generate a lateral movement path, where the lateral movement path includes the AI model, and a representation of a resource, where the resource is accessible utilizing the AI model. The system where the memory contains further instructions which when executed by the processing circuitry further configure the system to: apply a policy on the representation of the computing environment. The system where the memory contains further instructions which when executed by the processing circuitry further configure the system to: initiate the mitigation action based on the policy. Implementations of the

described techniques may include hardware, a method or process, or a computer tangible medium.

BRIEF DESCRIPTION OF THE DRAWINGS

[0013] The subject matter disclosed herein is particularly pointed out and distinctly claimed in the claims at the conclusion of the specification. The foregoing and other objects, features, and advantages of the disclosed embodiments will be apparent from the following detailed description taken in conjunction with the accompanying drawings.

[0014] Figure 1 is an example schematic illustration of a cloud computing environment for supporting an artificial intelligence (AI) pipeline, utilized to describe an embodiment.

[0015] Figure 2 is an example security graph representation of an AI pipeline, implemented in accordance with an embodiment.

[0016] Figure 3 is an example dashboard visualization showing an AI software bill of materials (SBOM), implemented in accordance with an embodiment.

[0017] Figure 4 is an example flowchart of a method for detecting an artificial intelligence software pipeline, implemented in accordance with an embodiment.

[0018] Figure 5 is an example flowchart of a method for inspecting an AI model deployed in a computing environment, implemented in accordance with an embodiment.

[0019] Figure 6 is an example flowchart of a method for initiating a mitigation action on a cybersecurity risk of an AI model, implemented in accordance with an embodiment.

[0020] Figure 7 is an example schematic diagram of an AI detector according to an embodiment.

DETAILED DESCRIPTION

[0021] It is important to note that the embodiments disclosed herein are only examples of the many advantageous uses of the innovative teachings herein. In general, statements made in the specification of the present application do not necessarily limit any of the various claimed embodiments. Moreover, some statements may apply to some inventive features but not to others. In general, unless otherwise indicated, singular elements may be in plural and vice versa with no loss of generality. In the drawings, like numerals refer to like parts through several views.

[0022] The various disclosed embodiments include a method and system for generating an AI pipeline. In an embodiment, an AI pipeline representation is generated. In some embodiments, the AI pipeline representation includes AI components detected across multiple cloud computing environments. In certain embodiments, the multiple cloud computing environments are not otherwise connected.

[0023] Fig. 1 is an example schematic illustration of a cloud computing environment for supporting an artificial intelligence (AI) pipeline, utilized to describe an embodiment. In an embodiment, a cloud computing environment 110 includes cloud entities, such as resources, principals, and the like.

[0024] In certain embodiments, the cloud computing environment 110 is implemented as a tenant, as a virtual private cloud (VPC), as a virtual network (VNet), a combination thereof, and the like. In some embodiments, the cloud computing environment 110 is deployed on a cloud computing infrastructure, such as Amazon® Web Service (AWS), Google® Cloud Platform (GCP), Microsoft® Azure, and the like.

[0025] In an embodiment, a resource is a cloud entity which exposes hardware resources (e.g., provides access to a processor, a memory, a storage, a combination thereof, and the like), exposes services, exposes an application programming interface (API), a combination thereof, and the like.

[0026] In some embodiments, a principal is a cloud entity which is authorized to initiate actions in the cloud computing environment 110, authorized to act on a resource, a combination thereof, and the like.

[0027] For example, according to an embodiment, a principal is a user account, a service account, a role, a combination thereof, and the like. In some embodiments, a resource is a virtual machine, a software container, a serverless function, an application, a database, a combination thereof, and the like.

[0028] In certain embodiments, a virtual machine 112 is deployed in the cloud computing environment 110. In some embodiments, the virtual machine 112 is implemented as Oracle® VirtualBox®, for example. In an embodiment, the virtual machine 112 is associated with a disk (not shown).

[0029] In an embodiment, a software container 114 is deployed in the cloud computing environment 110. In some embodiments, the software container 114 is implemented

utilizing a Kubernetes® Platform, a Docker® container engine, a combination thereof, and the like.

[0030] According to an embodiment, a serverless function 116 is deployed in the cloud computing environment 110. In certain embodiments, the serverless function 116 is implemented as an Amazon® Lambda® service.

[0031] In some embodiments, an application 122 is deployed in the cloud computing environment. In an embodiment, an application is deployed utilizing a resource, a plurality of resources, and the like. In some embodiments, an application 122 includes a software library, a software binary, an executable code, a combination thereof, and the like.

[0032] In an embodiment, the application 122 is a component of an artificial intelligence (AI) pipeline. According to an embodiment, an AI pipeline is utilized to provide a service utilizing an AI model. For example, in an embodiment, an AI pipeline includes software components, such as an AI model, a training data, an API, a combination thereof, and the like. In some embodiments, an AI pipeline includes resource components such as a serverless function 116, a software container 114, a virtual machine 112, a combination thereof, and the like.

[0033] For example, in an embodiment, an application 122 is hosted on a virtual machine 112. A serverless function 116 is configured to receive a prompt, which is then directed to an AI model, such as a large language model (LLM) to produce an output.

[0034] In an embodiment, the AI model is trained on a data set stored, for example, in a database 126. In some embodiments, an AI model is trained on a database 126 in a first cloud computing environment (e.g., a development environment), and the application 122 is deployed in a second cloud computing environment (e.g., a production environment). According to some embodiments, this presents a challenge, for example where the database 126 includes sensitive information which is used to train the AI model, but the data itself should not become exposed through use of the AI model.

[0035] In an embodiment, an AI model includes an artificial neural network (ANN), a recurrent neural network (RNN), a convolutional neural network (CNN), a generative adversarial neural network (GAN), a Bayesian network, a hidden Markov model, a large language model (LLM), a combination thereof, and the like.

- [0036]** In an embodiment, an AI pipeline includes resources, principals, and the like, which are utilized in providing a service based, for example, on an AI model. In an embodiment, a first component of the AI pipeline is connected to a second component of the AI pipeline, for example by a network policy allowing the first component to access the second component.
- [0037]** In some embodiments, the cloud computing environment 110 is accessible by an external network 140. In an embodiment, the external network 140 includes computing devices, user accounts, and the like, which are not affiliated with the cloud computing environment 110, but receive a service, access to a resource, access to an application, a combination thereof, and the like. According to an embodiment, the external network 140 is, for example, the Internet.
- [0038]** In certain embodiments, the cloud computing environment 110 is monitored for cybersecurity objects, threats, risks, and the like, by an inspection environment 130. In an embodiment, the inspection environment 130 is configured to monitor the cloud computing environment 110 for cybersecurity objects, threats, risks, combinations thereof, and the like.
- [0039]** In some embodiments, an inspector 132 is configured to inspect a workload of the cloud computing environment 110 for a cybersecurity object. An inspector 132 is implemented, in certain embodiments, as a resource, such as a virtual machine, a software container, a serverless function, a combination thereof, and the like. In some embodiments, it is advantageous to implement the inspector 132 as a node in software container, as this allows scaling of the inspection environment 130 to accommodate the inspection needs of the cloud computing environment 110.
- [0040]** In certain embodiments, an inspector 132 is configured to inspect a workload for a cybersecurity object such as a hash, a malware, a signature, an application, an operating system, a binary, a library, a computer code object, a code object of an infrastructure as code file, a registry file, a password stored as text (e.g., cleartext, plaintext, etc.), a certificate, a cryptographic key, a vulnerability, an exposure, a misconfiguration, a combination thereof, and the like.
- [0041]** For example, according to an embodiment, an inspector 132 is configured to detect a misconfiguration based on configuration rules. In an embodiment, a configuration rule is

applied to a representation of a cybersecurity object, a representation of a workload, a representation of a principal, a combination thereof, and the like.

[0042] In an embodiment, an inspector 132 is configured to detect a component of an AI pipeline. In an embodiment, a component of an AI pipeline includes a model (e.g., stored as a file on a storage, a repository, and the like), a database, a training dataset, a serverless function configured to train the AI model using the training dataset stored on the database, an AI application, an AI application endpoint, an API, a combination thereof, and the like.

[0043] In certain embodiments, the inspector 132 is configured to detect a network path between an external network 140, and a component of the AI pipeline. For example, in an embodiment, a network path includes resources, applications, and the like, between the external network path 140, and the application 122. In some embodiments, where the network path exposes a resource, exposes data, and the like, to the external network, the network path is determined to be an exposure path.

[0044] In some embodiments, the inspector 132 is configured to query a cloud API to detect cloud entities, such as resources and principals, in the cloud computing environment 110. In certain embodiments, the inspector 132 is configured to query a Platform as a Service (PaaS) to detect an assistant, a list of assistant files, a list of runs belonging to a thread, a list of files associated with a principal, a list of models, a list of available AI models, metadata related to each AI model, a list of messages for a thread, an action, a function, a training dataset, a document, a training job, a thread, a combination thereof, and the like.

[0045] According to an embodiment, the inspector 132 is configured to inspect a network and detect network objects, such as resources deployed in a cloud computing environment 110. For example, in an embodiment, a network object is a server, a firewall, a web-access firewall (WAF), a load balancer, a gateway, a proxy server, a combination thereof, and the like.

[0046] In some embodiments, the inspector 132 is configured to detect identities deployed in the cloud computing environment 110. In an embodiment, an identity is a user account, a service account, a role, an email address, a security credential associated with an identity, a combination thereof, and the like.

[0047] In certain embodiments, the inspector 132 is configured to inspect a registry, a command-line interface (CLI), a PaaS, a SaaS, an SDK, a network, an IAM service, a resource, a combination thereof, and the like, to detect a cybersecurity object.

[0048] According to an embodiment, an inspector 132 is configured to inspect a first cloud computing environment (e.g., a production environment) and a second cloud computing environment (e.g., a development environment). This is advantageous as AI pipelines are often split among a plurality of computing environments. For example, according to an embodiment, an AI model is trained in a development environment, and deployed in a production environment.

[0049] In some embodiments, it is advantageous to generate a pipeline as a view which allows to see a complete AI pipeline through, and including, multiple cloud computing environments. This allows visibility into, for example, an AI model trained on sensitive data, which could potentially leak in a production environment, despite the sensitive data being actually stored in the development environment.

[0050] In an embodiment, the inspection environment 130 further includes an inspection controller 134. In some embodiments, the inspection controller 134 is configured to provision inspector workloads in response to detecting a demand for inspection workloads. In certain embodiments, the inspection controller 134 is configured to generate a copy, a clone, a snapshot, a combination thereof, and the like, in the cloud computing environment 110, in the inspection environment 130, and the like, based on a disk associated with a workload in the cloud computing environment 110.

[0051] In certain embodiments, it is advantageous to generate a clone of a disk, as a clone utilizes less resources than a snapshot, for example. In an embodiment, a clone is generated by generating a pointer to the same storage address of the original data, thereby providing instantaneous access to the 'cloned' disk. In certain embodiments, access to a snapshot is only provided after the snapshot process has completed generating the snapshot.

[0052] In an embodiment, the inspection environment 130 further includes a security database 136. In some embodiments, the security database 136 is configured to store a representation of the cloud computing environment 110, for example based on a predetermined data schema. In an embodiment, a unified data schema is utilized,

including templates for example for representing a resource, representing a principal, representing an enrichment, representing a cybersecurity issue, a combination thereof, and the like.

[0053] In some embodiments, the security database 136 is implemented as a columnar database, a SQL database a non-SQL database, a table, a plurality of tables, a graph database, combinations thereof, and the like. For example, in an embodiment, a security database 136 is implemented as a graph database, such as Neo4j®.

[0054] In certain embodiments, the inspection environment 130 further includes an AI detector 138. In an embodiment, the AI detector 138 is configured to generate an AI pipeline. In some embodiments, an AI pipeline is a representation, for example stored in a security database 136. In an embodiment, the AI pipeline includes representations of AI components, and connections between the AI components.

[0055] For example, according to an embodiment, a dataset used for training an AI model is an AI component. In some embodiments, a dataset is determined to be used for training by detecting that a dataset stored in, for example, a storage bucket, is accessed by a serverless function configured to train an AI model. In an embodiment, the storage bucket is represented as a resource in the security database, and the representation of the storage bucket is further associated with the AI pipeline.

[0056] In certain embodiments, the AI detector 138 is configured to detect various AI components across multiple cloud computing environments. For example, in an embodiment, an AI model is trained in a first cloud computing environment (e.g., a development environment) and deployed in a second cloud computing environment (e.g., a production environment).

[0057] Therefore, in some embodiments, an AI pipeline includes components which are deployed in a plurality of cloud computing environments. In certain embodiments, the AI detector 138 is configured to detect that a component deployed in a first cloud computing environment is accessible by, or is configured to access, a component deployed in a second cloud computing environment.

[0058] In some embodiments, the cloud computing environment 110 is configured to access a service, access a platform, utilize a software development kit (SDK), and the like. For example, in an embodiment, the cloud computing environment 110 is configured to

access an AI SaaS 150, an AI PaaS 160, an AI SDK 170, a combination thereof, and the like.

[0059] According to an embodiment, an AI SaaS 150 is, for example Google® TensorFlow®, and the like. In some embodiments, an AI PaaS 160 is, for example, OpenAI®, Hugging Face®, and the like.

[0060] Fig. 2 is an example security graph representation of an AI pipeline, implemented in accordance with an embodiment. In an embodiment, a security database is implemented as a graph database, based on a unified data schema. In some embodiments, the security database includes a plurality of nodes and connections between the nodes.

[0061] For example, in an embodiment, a node represents a resource, a principal, a cybersecurity object, a misconfiguration, a vulnerability, an exposure, a malware object, an enrichment, a remediation action, combinations thereof, and the like.

[0062] In some embodiments, a connection between nodes indicates a relationship between the objects represented by the nodes. For example, in an embodiment, a node representing an application 220 is connected to a node representing a virtual machine 210, indicating that the application represented by application node 220 is deployed on the virtual machine represented by the virtual machine node 210.

[0063] In an embodiment, a representation of a fine-tuned model 230 is generated in response to detecting a fine-tuned AI model. In some embodiments, detecting a fine-tuned model includes accessing an API of an AI SaaS provider, and pulling a list of AI models accessible by an account. In an embodiment, the account identifier is provided, for example, to an AI detector.

[0064] In certain embodiments, detecting a fine-tuned model includes detecting API calls in a networked environment directed to a known predefined AI SaaS, AI PaaS, combination thereof, and the like.

[0065] In an embodiment, a serverless function is utilized to implement a custom assistant application. In some embodiments, the serverless function is detected, for example by an inspector configured to detect virtual instances in a computing environment. In an embodiment, a representation of the serverless function is generated in a security database, for example as custom assistant node 240.

- [0066]** In an embodiment, an inspector is configured to detect that the custom assistant represented by the custom assistant node 240 accesses the fine-tuned model represented by fine-tuned model node 230. In some embodiments, the serverless function deploying the custom assistant includes an API through which the serverless function is configured to receive calls, represented by AI endpoint 242.
- [0067]** In certain embodiments, the serverless function is further configured to access a function, represented by function node 250, which in turn includes a secret, represented by secret node 252. In some embodiments, the serverless function is deployed in a production environment.
- [0068]** In an embodiment, a trainer is configured to train an AI model, such as a generative pre-trained transformer (GPT) model, into the fine-tuned model represented by the fine-tuned model node 230. In some embodiments, the trainer is implemented as a virtual instance in development environment, for example as a serverless function. In an embodiment, the trainer is represented by a training job node 232.
- [0069]** In certain embodiments, a first inspector is configured to detect the serverless function in the production environment (e.g., represented by the custom assistant node 240), and a second inspector is configured to detect the trainer (represented by the training job node 232) in the development environment.
- [0070]** In an embodiment, an AI detector is configured to detect a connection between the trainer and the serverless function (i.e., between the training job node 232 and the custom assistant node 240). For example, in an embodiment, the AI detector is configured to detect that the trainer is configured to store a trained AI model in a bucket, which is accessed by the serverless function.
- [0071]** Generating a representation including a connection between multiple computing environment to generate a pipeline is advantageous, as this allows to detect vulnerabilities, exposures, and the like, including risk combinations (e.g., vulnerability and exposure) which are not otherwise apparent when a representation includes only components of one computing environment, where a pipeline utilizes multiple components from multiple computing environments.
- [0072]** According to an embodiment, a trainer is configured to train an AI model using a training dataset, represented by training dataset node 234. In some embodiments, the

training dataset is stored, for example as a file, a plurality of files, and the like, on a storage, such as a network-accessible storage device, a cloud based storage service, a combination thereof, and the like.

[0073] In certain embodiments, the training dataset includes sensitive data. In an embodiment, it is advantageous to maintain a separation between sensitive data in a development environment, and an application (such as the custom assistant, a custom GPT, etc.) in a production environment, where the application is exposed to an external network, such as the Internet.

[0074] For example, in an embodiment, an API endpoint (represented by custom GPT API endpoint 262) is configured to receive an input from a user account over an external network (i.e., external to where the custom GPT is deployed). In some embodiments, the API endpoint is an endpoint for a custom GPT (represented by custom GPT node 260). In an embodiment, the custom GPT is configured to utilize a fine-tuned model (represented by fine-tuned model node 230).

[0075] In some embodiments, the custom GPT is deployed in a production environment, while the trainer is deployed in a development environment. Representing the pipeline allows to detect a cybersecurity risk which is not apparent when each computing environment is viewed individually. In this example, the custom GPT is exposed to an external network (i.e., represented by the Internet node 270). In an embodiment, the custom GPT is configured to utilize the fine-tuned AI model which utilizes a training dataset that includes sensitive data.

[0076] In certain embodiments, this AI pipeline indicates a cybersecurity risk of exposing sensitive data through the custom GPT, by utilizing the fine-tuned model trained on the sensitive data.

[0077] Fig. 3 is an example dashboard visualization showing an AI software bill of materials (SBOM), implemented in accordance with an embodiment. In an embodiment, an AI SBOM is generated based on detection of a plurality of AI components deployed in a computing environments, in a combination of environments, etc.

[0078] For example, in an embodiment, an AI detector is configured to generate an AI SBOM based on data detected by an inspector. In some embodiments, an AI SBOM includes identifiers of software, an application, an endpoint, a storage device, a library, a binary, a

SaaS application, a PaaS connection, a resource identifier, a principal identifier, a dataset identifier, a database identifier, combinations thereof, and the like.

[0079] In an embodiment, the dashboard includes an AI PaaS Inventory widget 310. In some embodiments, the AI PaaS Inventory widget 310 includes a plurality of rows, each row representing an AI PaaS connected to the computing environment. For example, a first row 312 includes a visual representation of an Amazon® Transcribe® service. In some embodiments, the AI PaaS inventory widget 310 includes representations of Azure® bot service, Azure cognitive services, and the like.

[0080] In certain embodiments, the dashboard includes an AI library inventory widget 320. In an embodiment, the AI library inventory widget includes various platforms, systems, libraries, and the like, which are accessible by the computing environment. For example, in an embodiment, a first row 322 includes a representation of Hugging Face®. In some embodiments, the AI library inventory widget includes representations of, for example, OpenAI® API, Streamlit, Google® Tensorflow®, Tiktoken, a combination thereof, and the like.

[0081] In an embodiment, the dashboard further includes a storage widget 330. In some embodiments, the storage widget 330 includes a visual representation of a storage device, storage service, and the like, utilized by a computing environment for AI applications, AI data, AI services, etc. For example, in an embodiment, a first row 332 represents a Google® Cloud Platform (GCP) bucket. In some embodiments, a bucket is utilized to store, for example, training data.

[0082] In certain embodiments, the dashboard includes an AI services widget 340. In some embodiments, the AI services widget 340 includes a visual representation of AI services which are publicly accessible (e.g., accessible from a network external to the computing environment, such as the Internet). In an embodiment, an AI service is determined to be a publicly accessible service in response to detecting an API endpoint associated with the AI service.

[0083] In certain embodiments, an AI detector is configured to detect an AI pipeline, and further to generate an AI dashboard based on the detected AI pipeline. In some embodiments, a widget of the AI dashboard is updated with data based on querying a

representation of the AI pipeline, such as stored on a graph in a graph database, for example as discussed in more detail in Fig. 2 above.

[0084] Fig. 4 is an example flowchart of a method for detecting an artificial intelligence software pipeline, implemented in accordance with an embodiment. In some embodiments, an AI pipeline is deployed across multiple computing environments, multiple accounts, utilizing multiple resources, principals, SaaS providers, PaaS provides, combinations thereof, and the like. It is therefore advantageous to generate a representation of the entire AI pipeline, including all components, in order to detect cybersecurity risks, mitigate cybersecurity issues, remediate cybersecurity exposures, exploited vulnerabilities, and the like. It is further advantageous as an AI pipeline is often also deployed across time, e.g., the AI model is trained in a first environment at a first time, and deployed in a second environment at a second time. An AI pipeline lends visibility to this process of bridging computing environments, and bridging time.

[0085] At S410, a computing environment is inspected for an AI component. In an embodiment, an AI component is utilized by an AI system. For example, in certain embodiments, an AI model utilizes a storage for storing training data, a training workload utilized to train the AI model, an application for providing input to the trained model, an API to receive calls and utilize the application which utilizes the AI model, and API endpoint to connect the API to an external network, various combinations thereof, and the like. In this example, each such component is an AI component.

[0086] In an embodiment, an AI component is detected by an inspector configured to inspect a computing environment, such as a cloud computing environment, a hybrid computing environment, a networked computing environment, a combination thereof, and the like.

[0087] In some embodiments, an inspector is configured to detect a cybersecurity object, such as an application, an operating system, a nested workload, a certificate, a password, a cryptographic key, an identity, a library, a binary, a software development kit (SDK), a registry file, a combination thereof, and the like.

[0088] In certain embodiments, an inspector is configured to inspect a network of a computing environment (i.e., network inspection) and detect network components, such as firewalls, load balancers, gateways, endpoints, open ports, network paths (including, for example, TCP/IP communication, UDP communication, combinations thereof, and the like).

- [0089]** In some embodiments, an inspector is configured to inspect a cloud computing environment (e.g., cloud scanning) to detect various resources, principals, cloud entities, and the like, which are deployed in the cloud computing environment.
- [0090]** In an embodiment, an inspector is configured to perform static analysis of applications, of SDKs, of registry files, infrastructure as code (IaC) code objects, command line interface (CLI) inspection, a combination thereof, and the like. In some embodiments, the inspector is configured to detect AI components by performing such static analysis.
- [0091]** In certain embodiments, an AI detector is configured to query an identity and access management (IAM) service to detect identities, principals, user accounts, service accounts, roles, combinations thereof, and the like, which are utilized as AI components (i.e., in the AI pipeline). In an embodiment, an identity is determined to be utilized as an AI component in response to detecting a permission which authorizes the identity to act on another AI component (e.g., act on a resource of the AI pipeline).
- [0092]** In some embodiments, an identity is determined to be utilized as an AI component, and a further detection is performed to determine if the identity is authorized to access components, resources, and the like, which are not already identified as AI components.
- [0093]** For example, according to an embodiment, a first identity is determined to be utilized in an AI pipeline in response to determining that the first identity includes a permission to initiate an action in a cloud computing environment on a resource identified as an AI component. In an embodiment, the AI detector is configured to detect additional resources which the first identity has a permission to initiate an action thereupon. In some embodiments, the additional resources are further determined to be AI components.
- [0094]** In some embodiments, an AI detector is configured to determine if a component detected by the inspector is an AI component.
- [0095]** At S420, a connection is detected between AI components. In an embodiment, the connection is detected between a first AI component, and a second AI component. In some embodiments, the connection is detected in response to detecting a shared resource that both AI components act on. In certain embodiments, a connection is detected by querying an IAM service to detect resources which a principal (determined to be an AI component) is authorized to act on.

[0096] In an embodiment, an AI detector is configured to detect a connection between AI components, based on, for example, a result of an inspector performing inspection in a computing environment.

[0097] In some embodiments, the AI detector is configured to detect a connection between a first AI component deployed in a first computing environment (e.g., a production environment), and a second AI component deployed in a second computing environment (e.g., a development environment).

[0098] At S430, a representation is generated in a security database. In an embodiment, a representation is generated for each of: the first AI component, for the second AI component, the connection, etc. In some embodiments, a representation is generated based on a unified data model, such that a resource detected in a first computing environment is represented using the same model as a resource detected in a second computing environment which is different than the first computing environment.

[0099] In certain embodiments, the security database is implemented as a graph database, such as a Neo4j® database. In an embodiment, a representation is stored as a node in the graph database. In some embodiments, a relationship between a first AI component and a second AI component, is represented as a connection between representations, e.g., a connection between nodes.

[0100] At S440, an AI pipeline is generated. In an embodiment, the AI pipeline includes a representation of an AI pipeline, such as a visual representation. In some embodiments, the AI pipeline includes a plurality of AI components, and the connections between such AI components.

[0101] In an embodiment, an AI pipeline includes any of: a cybersecurity finding, a representation of an API endpoint, a representation of an application, a representation of an AI model, a representation of a function, a representation of a virtualization, a representation of a training job, a representation of a training dataset, a representation of a secret, a representation of a computing environment, a representation of an account, a representation of a data, a representation of a data type, any combination thereof, and the like.

[0102] In an embodiment, generating an AI pipeline includes generating a visual representation, including a corresponding graphic for each data representation of an AI

component, and a graphic representing connections between the different graphics. A visual representation of an AI pipeline is discussed in more detail with respect to Fig. 2, which is an example of one such visual representation.

[0103] In some embodiments, it is advantageous to generate a visual representation of an AI pipeline, as AI applications are often deployed across multiple computing environments, include multiple external software providers (e.g., SaaS and PaaS providers), etc.

[0104] In certain embodiments, an AI detector is further configured to detect cybersecurity risks based on detecting a plurality of AI components, and further based on detecting a connection between a plurality of AI components.

[0105] Fig. 5 is an example flowchart of a method for inspecting an AI model deployed in a computing environment, implemented in accordance with an embodiment. In some embodiments, an AI model includes a software file, a software library, a software binary, a combination thereof, and the like. In certain embodiments, an AI model is a cybersecurity object.

[0106] At S510, an AI model is detected. In an embodiment, an inspector is configured to detect an AI model, an artifact of an AI model, a combination thereof, and the like. For example, according to an embodiment, an artifact of an AI model is a file, a software library, a software binary, a folder name, various combinations thereof, and the like, which indicate that a known (e.g., previously determined) AI model is installed on a disk, resource, and the like, which is being inspected.

[0107] For example, in an embodiment, an inspector is configured to detect a PyTorch framework (e.g., TAR files, including sys_info, pickle, storages, tensors, etc.), a PT file, a SAFETENSORS file, a ZIP file including a PKL file, an H5 file, a PB file, a KERAS file, an ONNX file, a GGUF file, a GGML file, a combination thereof, and the like.

[0108] In some embodiments, a JSON configuration (e.g., "config.json") file is inspected to detect a format predetermined to be associated with an AI model, for example as utilized by HuggingFace.

[0109] In certain embodiments, some file names are changed to a hash. For example, where a file name is imported from an external source, such as when using HuggingFace Transformers to fetch a model from HuggingFace Hub, which is an AI model repository. In such an embodiment, an inspector is configured to inspect a JSON (or other markup

language) configuration file (e.g., config.json) for a “\model_type\” string which indicates an AI model type. For example, according to an embodiment, detecting a config.json file in a certain (e.g., predetermined) folder, path, etc., is an indicator that a model is stored in the same location.

[0110] In other embodiments, files having a certain size, having a size which is less than a predetermined size (e.g., less than 2KB), and the like, are inspected to detect if they contain therein a “\model_type\” string. As another example, in an embodiment, such files are searched for in paths that match a “.*\.\cache\huggingface\hub\.*\blobs\.*” string.

[0111] At S520, a representation is generated. In an embodiment, a representation of the detected AI model is generated in a security database, wherein the security database further includes a representation of the computing environment.

[0112] In some embodiments, the representation of the computing environment includes a representation generated on a predefined unified data schema. In an embodiment, a resource is represented in a security database, for example by a node in a security graph (e.g., utilizing Neo4j). In certain embodiments, a representation of the AI model is connected to a representation of the resource on which it was detected.

[0113] For example, in an embodiment, an inspector detects an AI model based on a file in a disk of the virtual machine. According to an embodiment, a representation of the AI model, and a representation of the virtual machine are each generated in a security database, and connected to each other to indicate that the AI model is detected on the virtual machine.

[0114] In some embodiments, the representation of the AI model is enriched in the security database. In an embodiment, an inspection controller, enricher, and the like, are configured to enrich the representation based on data, metadata, and the like, extracted by an inspector, extracted from another source, a combination there, and the like.

[0115] In an embodiment, an enrichment includes a file name, a file extension, a file type, extracted metadata from GGUF files, extracted metadata from ONNX files, extracted metadata from KERAS files, local metadata extracted from a configuration file (e.g., architecture, model type, model name, transformer version, license, etc.), author identifier, malware detection list, pickle imports, suspicious pickle imports, various combinations thereof, and the like.

- [0116]** At S530, the AI model is inspected. In an embodiment, the AI model is inspected for a cybersecurity object, a cybersecurity risk, a misconfiguration, a vulnerability, an exposure, a combination thereof, and the like.
- [0117]** For example, according to an embodiment, inspecting the AI model includes determining if the model is configured to run code (e.g., through a pickle file), a list of functions which are allowed, a list of functions which are blocked, and the like.
- [0118]** In an embodiment, inspecting an AI model includes determining if the AI model matches a version, identifier, and the like, of an AI model which is previously determined as a cybersecurity risk.
- [0119]** In certain embodiments, inspecting an AI model includes detecting a file, a code, and the like, which the AI model is configured to execute. In some embodiments, inspecting the AI model includes detecting a secret, a code, and the like, for example stored in a pickle file, which the AI model, when prompted with an appropriate prompt, is configured to output, leading to leaked data, leaked secrets, etc.
- [0120]** In some embodiments, inspection of an AI model includes generating a finding. In an embodiment, a finding is a data record indicating a detected cybersecurity risk, misconfiguration, vulnerability, exposure, combination thereof, and the like.
- [0121]** In an embodiment, a security database, inspection controller, and the like, is configured to generate a lateral movement path. For example, in an embodiment, where a secret is detected in an AI model, a representation of the secret is generated. In some embodiments, the representation of the secret already preexists in the security database, and a representation of the AI model is connected to the preexisting representation of the secret.
- [0122]** In some embodiments, a lateral movement path is generated to include resources, nodes, representations, and the like, between the AI model and another resource. For example, in an embodiment, the secret detected in the AI model is also utilized by an administrator account to access a storage in a cloud computing environment, therefore a lateral movement path includes the AI model, the secret, the administrator account, and the storage.
- [0123]** In certain embodiments, inspecting an AI model further includes detecting an anomaly. For example, according to an embodiment, detecting an anomaly respective of an AI

model includes detecting a training set including data not used for training other models. In an embodiment, detecting an anomaly includes detecting a suspicious prompt provided to the AI model (e.g., a prompt utilizing code, attempting to execute code, attempting to extract a secret, etc.).

[0124] At S540, a representation of the AI model is generated. In an embodiment, the representation of the AI model is generated in a security graph. In some embodiments, a representation of a finding based on inspection of the AI model is further stored in the security database, and connected to the representation of the AI model.

[0125] In certain embodiments, the security representation is utilized to apply a policy on a computing environment, the computing environment having a representation stored in the security database as part of the security representation.

[0126] For example, in an embodiment, a policy includes a rule, a conditional rule, a plurality of each, a combination thereof, and the like, which applied to the representation of the computing environment, the representation of the AI model, a representation of a cybersecurity object, a combination thereof, and the like.

[0127] Fig. 6 is an example flowchart of a method for initiating a mitigation action on a cybersecurity risk of an AI model, implemented in accordance with an embodiment. In an embodiment, a cybersecurity risk is detected with respect to an AI model utilizing, for example, the method of Fig. 5 above.

[0128] At S610, a computing environment is inspected. In an embodiment, the computing environment is inspected for a cybersecurity object, a cybersecurity risk, a cybersecurity threat, a vulnerability, an exposure, a misconfiguration, a combination thereof, and the like.

[0129] In an embodiment, a cybersecurity object includes a code object, a secret, a certificate, a hash, a file, a folder, a software artifact, a software application, an operating system, a malware object, a combination thereof, and the like.

[0130] In certain embodiments, a cybersecurity object indicates a cybersecurity risk, a cybersecurity threat, a misconfiguration, a vulnerability, an exposure, a combination thereof, and the like.

[0131] In an embodiment, inspecting a computing environment includes generating an inspectable disk based on an original disk. In some embodiments, generating an

inspectable disk includes generating a clone of an original disk, a snapshot of an original disk, a copy of an original disk, a combination thereof, and the like, and inspecting the cloned disk for a cybersecurity object.

[0132] In some embodiments, an inspectable disk is released once inspection is complete. In an embodiment, an inspector, inspection controller, and the like, is configured to generate a finding of a cybersecurity object on an inspectable disk, wherein the finding is a data record stored in a security database. In an embodiment, the finding (i.e., the representation of the finding, the data record, etc.) is connected to a representation of a resource on which the finding is detected.

[0133] At S620, a representation is generated. In an embodiment, a representation is generated for a resource, a cybersecurity object detected on the resource, a finding based on a cybersecurity object detected on the resource, a combination thereof, and the like.

[0134] In some embodiments, the representation is stored in a security database, wherein the security database is further configured to store a representation of a computing environment in which the resource is deployed.

[0135] In some embodiments, a representation is enriched in the security database. In an embodiment, an inspection controller, enricher, and the like, are configured to enrich the representation based on data, metadata, and the like, extracted by an inspector, extracted from another source, a combination there, and the like.

[0136] At S630, an AI model is inspected. According to an embodiment, an AI model is detected on a resource, in a resource, etc., wherein the resource is deployed in the computing environment. In an embodiment, the AI model is inspected for a cybersecurity object, a cybersecurity risk, a misconfiguration, a vulnerability, an exposure, a combination thereof, and the like.

[0137] For example, according to an embodiment, inspecting the AI model includes determining if the model is configured to run code (e.g., through a pickle file), a list of functions which are allowed, a list of functions which are blocked, and the like.

[0138] In an embodiment, inspecting an AI model includes determining if the AI model matches a version, identifier, and the like, of an AI model which is previously determined as a cybersecurity risk.

- [0139]** In certain embodiments, inspecting an AI model includes detecting a file, a code, and the like, which the AI model is configured to execute. In some embodiments, inspecting the AI model includes detecting a secret, a code, and the like, for example stored in a pickle file, which the AI model, when prompted with an appropriate prompt, is configured to output, leading to leaked data, leaked secrets, etc.
- [0140]** In some embodiments, inspection of an AI model includes generating a finding. In an embodiment, a finding is a data record indicating a detected cybersecurity risk, misconfiguration, vulnerability, exposure, combination thereof, and the like.
- [0141]** In an embodiment, a security database, inspection controller, and the like, is configured to generate a lateral movement path. For example, in an embodiment, where a secret is detected in an AI model, a representation of the secret is generated. In some embodiments, the representation of the secret already preexists in the security database, and a representation of the AI model is connected to the preexisting representation of the secret.
- [0142]** In some embodiments, a lateral movement path is generated to include resources, nodes, representations, and the like, between the AI model and another resource. For example, in an embodiment, the secret detected in the AI model is also utilized by an administrator account to access a storage in a cloud computing environment, therefore a lateral movement path includes the AI model, the secret, the administrator account, and the storage.
- [0143]** In certain embodiments, inspecting an AI model further includes detecting an anomaly. For example, according to an embodiment, detecting an anomaly respective of an AI model includes detecting a training set including data not used for training other models. In an embodiment, detecting an anomaly includes detecting a suspicious prompt provided to the AI model (e.g., a prompt utilizing code, attempting to execute code, attempting to extract a secret, etc.).
- [0144]** At S640, a toxic combination is detected. In an embodiment, a toxic combination is detected based on detecting a cybersecurity object, and detecting an AI model. For example, in an embodiment, the cybersecurity object is a secret, such as a secret utilized by the AI model.

- [0145]** In an embodiment, a toxic combination is detected by utilizing the representation stored in the security database. For example, in some embodiments, utilizing the representation includes applying a policy on the representation, querying the representation, traversing a graph utilized as the representation, a combination thereof, and the like.
- [0146]** In certain embodiments, the security representation is utilized to apply a policy on a computing environment, the computing environment having a representation stored in the security database as part of the security representation.
- [0147]** For example, in an embodiment, a policy includes a rule, a conditional rule, a plurality of each, a combination thereof, and the like, which applied to the representation of the computing environment, the representation of the AI model, a representation of a cybersecurity object, a combination thereof, and the like.
- [0148]** In some embodiments, a policy includes a rule to detect a toxic combination. For example, in an embodiment, a policy includes a rule applied to the representation to detect a finding connected to a resource, and an AI model connected to the resource.
- [0149]** At S650, a mitigation action is initiated. In an embodiment, a mitigation action is initiated based on a toxic combination, the detected cybersecurity object, an AI model type, a combination thereof, and the like.
- [0150]** In some embodiments, a mitigation action includes revoking access from a principal, revoking access to a resource, revoking access from a resource, sandboxing a resource, revoking access to an AI model, revoking access from an AI model, denying network communication directed to the AI model, such as network communication including a prompt for the AI model, generating an alert, updating an alert, generating an alert severity, updating an alert severity, various combinations thereof, and the like.
- [0151]** In certain embodiments, an inspection environment is configured to provide a remediation infrastructure. In an embodiment, the inspection environment is configured to deploy the remediation infrastructure in the computing environment. In some embodiments, the remediation infrastructure includes a plurality of remediation scripts, mitigation actions, a combination thereof, and the like.
- [0152]** Fig. 7 is an example schematic diagram of an AI detector 138 according to an embodiment. The AI detector 138 includes a processing circuitry 710 coupled to a

memory 720, a storage 730, and a network interface 740. In an embodiment, the components of the AI detector 138 may be communicatively connected via a bus 750.

[0153] The processing circuitry 710 may be realized as one or more hardware logic components and circuits. For example, and without limitation, illustrative types of hardware logic components that can be used include field programmable gate arrays (FPGAs), application-specific integrated circuits (ASICs), Application-specific standard products (ASSPs), system-on-a-chip systems (SOCs), graphics processing units (GPUs), tensor processing units (TPUs), general-purpose microprocessors, microcontrollers, digital signal processors (DSPs), and the like, or any other hardware logic components that can perform calculations or other manipulations of information.

[0154] The memory 720 may be volatile (e.g., random access memory, etc.), non-volatile (e.g., read only memory, flash memory, etc.), or a combination thereof. In an embodiment, the memory 720 is an on-chip memory, an off-chip memory, a combination thereof, and the like. In certain embodiments, the memory 720 is a scratch-pad memory for the processing circuitry 710.

[0155] In one configuration, software for implementing one or more embodiments disclosed herein may be stored in the storage 730, in the memory 720, in a combination thereof, and the like. Software shall be construed broadly to mean any type of instructions, whether referred to as software, firmware, middleware, microcode, hardware description language, or otherwise. Instructions may include code (e.g., in source code format, binary code format, executable code format, or any other suitable format of code). The instructions, when executed by the processing circuitry 710, cause the processing circuitry 710 to perform the various processes described herein.

[0156] The storage 730 is a magnetic storage, an optical storage, a solid-state storage, a combination thereof, and the like, and is realized, according to an embodiment, as a flash memory, as a hard-disk drive, or other memory technology, or any other medium which can be used to store the desired information.

[0157] The network interface 740 is configured to provide the AI detector 138 with communication with, for example, the inspector 132, the inspection controller 134, the security database 136, and the like.

[0158] It should be understood that the embodiments described herein are not limited to the specific architecture illustrated in Fig. 7, and other architectures may be equally used without departing from the scope of the disclosed embodiments.

[0159] Furthermore, in certain embodiments the inspector 132, the inspection controller 134, the security database 136, and the like, may be implemented with the architecture illustrated in Fig. 7. In other embodiments, other architectures may be equally used without departing from the scope of the disclosed embodiments.

[0160] The various embodiments disclosed herein can be implemented as hardware, firmware, software, or any combination thereof. Moreover, the software is preferably implemented as an application program tangibly embodied on a program storage unit or computer readable medium consisting of parts, or of certain devices and/or a combination of devices. The application program may be uploaded to, and executed by, a machine comprising any suitable architecture. Preferably, the machine is implemented on a computer platform having hardware such as one or more central processing units ("CPUs"), a memory, and input/output interfaces. The computer platform may also include an operating system and microinstruction code. The various processes and functions described herein may be either part of the microinstruction code or part of the application program, or any combination thereof, which may be executed by a CPU, whether or not such a computer or processor is explicitly shown. In addition, various other peripheral units may be connected to the computer platform such as an additional data storage unit and a printing unit. Furthermore, a non-transitory computer readable medium is any computer readable medium except for a transitory propagating signal.

[0161] All examples and conditional language recited herein are intended for pedagogical purposes to aid the reader in understanding the principles of the disclosed embodiment and the concepts contributed by the inventor to furthering the art, and are to be construed as being without limitation to such specifically recited examples and conditions. Moreover, all statements herein reciting principles, aspects, and embodiments of the disclosed embodiments, as well as specific examples thereof, are intended to encompass both structural and functional equivalents thereof. Additionally, it is intended that such equivalents include both currently known equivalents as well as equivalents developed in

the future, i.e., any elements developed that perform the same function, regardless of structure.

[0162] It should be understood that any reference to an element herein using a designation such as “first,” “second,” and so forth does not generally limit the quantity or order of those elements. Rather, these designations are generally used herein as a convenient method of distinguishing between two or more elements or instances of an element. Thus, a reference to first and second elements does not mean that only two elements may be employed there or that the first element must precede the second element in some manner. Also, unless stated otherwise, a set of elements comprises one or more elements.

[0163] As used herein, the phrase “at least one of” followed by a listing of items means that any of the listed items can be utilized individually, or any combination of two or more of the listed items can be utilized. For example, if a system is described as including “at least one of A, B, and C,” the system can include A alone; B alone; C alone; 2A; 2B; 2C; 3A; A and B in combination; B and C in combination; A and C in combination; A, B, and C in combination; 2A and C in combination; A, 3B, and 2C in combination; and the like.

CLAIMS

What is claimed is:

1. A method for detecting a cybersecurity risk of an artificial intelligence (AI), comprising:
 - inspecting a computing environment for an AI model deployed therein;
 - generating a representation of the AI model in a security database, the security database including a representation of the computing environment;
 - inspecting the AI model for a cybersecurity risk;
 - generating a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk; and
 - initiating a mitigation action based on the cybersecurity risk.
2. The method of claim 1, further comprising:
 - generating an inspectable disk based on an original disk of a resource deployed in the computing environment; and
 - inspecting the inspectable disk for the AI model.
3. The method of claim 2, further comprising:
 - detecting an artifact of the AI model on the inspectable disk.
4. The method of claim 1, further comprising:
 - inspecting the AI model to detect an AI model configured to execute a code object.
5. The method of claim 1, further comprising:
 - detecting a metadata of the AI model, wherein the metadata indicates that the AI model is a cybersecurity risk.
6. The method of claim 1, further comprising:

detecting in the AI model any one of: a secret, a certificate, a code, and any combination thereof.

7. The method of claim 1, further comprising:

generating a lateral movement path, wherein the lateral movement path includes the AI model, and a representation of a resource, wherein the resource is accessible utilizing the AI model.

8. The method of claim 1, further comprising:

applying a policy on the representation of the computing environment.

9. The method of claim 8, further comprising:

initiating the mitigation action based on the policy.

10. A non-transitory computer-readable medium storing a set of instructions for detecting a cybersecurity risk of an artificial intelligence (AI), the set of instructions comprising:

one or more instructions that, when executed by one or more processors of a device, cause the device to:

inspect a computing environment for an AI model deployed therein;

generate a representation of the AI model in a security database, the security database including a representation of the computing environment;

inspect the AI model for a cybersecurity risk;

generate a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk; and

initiate a mitigation action based on the cybersecurity risk.

11. A system for detecting a cybersecurity risk of an artificial intelligence (AI) comprising:

a processing circuitry;

a memory, the memory containing instructions that, when executed by the processing circuitry, configure the system to:

- inspect a computing environment for an AI model deployed therein;
- generate a representation of the AI model in a security database, the security database including a representation of the computing environment;
- inspect the AI model for a cybersecurity risk;
- generate a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk; and
- initiate a mitigation action based on the cybersecurity risk.

12. The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

- generate an inspectable disk based on an original disk of a resource deployed in the computing environment; and
- inspect the inspectable disk for the AI model.

13. The system of claim 12, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

- detect an artifact of the AI model on the inspectable disk.

14. The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

- inspect the AI model to detect an AI model configured to execute a code object.

15. The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:

- detect a metadata of the AI model, wherein the metadata indicates that the AI model is a cybersecurity risk.

16. The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:
- detect in the AI model any one of:
 - a secret, a certificate, a code, and any combination thereof.
17. The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:
- generate a lateral movement path, wherein the lateral movement path includes the AI model, and a representation of a resource, wherein the resource is accessible utilizing the AI model.
18. The system of claim 11, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:
- apply a policy on the representation of the computing environment.
19. The system of claim 18, wherein the memory contains further instructions which when executed by the processing circuitry further configure the system to:
- initiate the mitigation action based on the policy.

ABSTRACT

A system and method for detecting a cybersecurity risk of an artificial intelligence (AI), is presented. The method includes: inspecting a computing environment for an AI model deployed therein; generating a representation of the AI model in a security database, the security database including a representation of the computing environment; inspecting the AI model for a cybersecurity risk; generating a representation of the cybersecurity risk in the security database, the representation of the cybersecurity risk connected to the representation of the AI model in response to detecting the cybersecurity risk; and initiating a mitigation action based on the cybersecurity risk.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number			
	Filing Date			
	First Named Inventor	Amitai COHEN		
	Art Unit			
	Examiner Name			
	Attorney Docket Number	WZIO P2750		

U.S.PATENTS Remove						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	10558823	B2	2020-02-11	Schroeder et al.	Entire Document

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS Remove						
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20220030009	A1	2022-01-27	Hasan	Entire Document

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS Remove							
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1						

If you wish to add additional Foreign Patent Document citation information please click the Add button.

Add

NON-PATENT LITERATURE DOCUMENTS Remove			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
			☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Amitai COHEN	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	WZIO P2750	

	1		☐
If you wish to add additional non-patent literature document citation information please click the Add button <input type="button" value="Add"/>			
EXAMINER SIGNATURE			
Examiner Signature		Date Considered	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			
<small> ¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached. </small>			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Amitai COHEN	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	WZIO P2750	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Michael Ben-Shimon/	Date (YYYY-MM-DD)	2024-02-22
Name/Print	Michael Ben-Shimon	Registration Number	69610

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

SCORE Placeholder Sheet for IFW Content

Application Number: 18584659

Document Date: 02/22/2024

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

- Drawing

At the time of document entry (noted above):

- USPTO employees may access SCORE content via DAV or via the SCORE web page.
- External customers may access SCORE content via PAIR using the Supplemental Content tab.