Title (en)
CYBER SECURITY SYSTEM UTILIZING INTERACTIONS BETWEEN DETECTED AND HYPOTHESIZE CYBER-INCIDENTS

Title (de)
CYBER-SICHERHEITSSYSTEM MIT INTERAKTIONEN ZWISCHEN ERKANNTEN UND HYPOTHESEN CYBER-EINTRETENDEN

Title (fr)
SYSTÈME DE CYBERSÉCURITÉ UTILISANT DES INTERACTIONS ENTRE DES CYBER-INCIDENTS DÉTECTÉS ET HYPOTHÉTIQUES

Publication
EP 4367839 A1 20240515 (EN)

Application
EP 22838418 A 20220707

Priority
• US 202163219026 P 20210707
• US 202163274376 P 20211101
• US 202263317157 P 20220307
• US 2022036385 W 20220707

Abstract (en)
[origin: WO2023283356A1] An apparatus may include a set of modules and artificial intelligence models to detect a cyber incident, a simulator to simulate an actual cyber attack of the cyber incident on a network including physical devices being protected by the set of modules and artificial intelligence models; and a feedback loop between i) the set of modules and artificial intelligence models and ii) the simulator, during an ongoing detected cyber incident. An attack path modeling module is configured to feed details of the detected incident by a cyber threat module into an input module of the simulator, and to run one or more hypothetical simulations of that detected incident in order to predict and control an autonomous response to the detected incident. Any software instructions forming part of the set of modules, the artificial intelligence models, and the simulator are stored in an executable form in memories and executed by processors.

IPC 8 full level
H04L 9/40 (2022.01); **G06N 20/00** (2019.01)

CPC (source: EP)
H04L 9/40 (2022.05); G06N 20/00 (2018.12)

Citation (search report)
See references of WO 2023283356A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2023283356 A1 20230112; AU 2022306862 A1 20240118; CA 3226148 A1 20230112; EP 4367839 A1 20240515

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US 2022036385 W 20220707; AU 2022306862 A 20220707; CA 3226148 A 20220707; EP 22838418 A 20220707