

Title (en)

UNIVERSAL INTRUSION DETECTION AND PREVENTION FOR VEHICLE NETWORKS

Title (de)

UNIVERSELLE EINDRINGDETEKTION UND -VERHINDERUNG FÜR FAHRZEUGNETZWERKE

Title (fr)

DÉTECTION ET PRÉVENTION D'INTRUSION UNIVERSELLES POUR RÉSEAUX DE VÉHICULES

Publication

**EP 4384992 A1 20240619 (EN)**

Application

**EP 22879366 A 20221011**

Priority

- US 202163253950 P 20211008
- US 2022046292 W 20221011

Abstract (en)

[origin: WO2023059938A1] A device may include a vehicle comprising a plurality of network zones, each network zone comprising a plurality of end points. A device may include a controller, comprising: a network monitoring component configured to interpret network communications associated with at least one of the network zones, a network intrusion detection component configured to detect an intrusion event in response to the network communications; and an intrusion response component configured to perform an intrusion response operation in response to the detected intrusion event.

IPC 8 full level

**G07C 5/00** (2006.01); **G07C 5/08** (2006.01)

CPC (source: EP KR)

**G06F 21/554** (2013.01 - EP); **H04L 63/1425** (2013.01 - EP KR); **H04L 63/20** (2013.01 - KR); **H04L 67/12** (2013.01 - EP KR); **H04W 12/121** (2021.01 - EP); **G06F 18/00** (2023.01 - KR); **H04L 67/10** (2013.01 - EP); **H04L 2012/40215** (2013.01 - KR); **H04L 2012/40273** (2013.01 - KR); **H04W 4/44** (2018.02 - EP)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

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DOCDB simple family (application)

**US 2022046292 W 20221011**; CN 202280081910 A 20221011; EP 22879366 A 20221011; KR 20247014732 A 20221011