

Title (en)

ELECTRONIC DEVICE AND METHOD FOR PROCESSING DATA BASED ON REVERSIBLE GENERATIVE NETWORKS, ASSOCIATED ELECTRONIC DETECTION SYSTEM AND ASSOCIATED COMPUTER PROGRAM

Title (de)

ELEKTRONISCHE VORRICHTUNG UND VERFAHREN ZUR DATENVERARBEITUNG AUF BASIS REVERSIBLER GENERATIVER NETZWERKE, ZUGEHÖRIGES ELEKTRONISCHES DETEKTIONSSYSTEM UND ZUGEHÖRIGES COMPUTERPROGRAMM

Title (fr)

DISPOSITIF ÉLECTRONIQUE ET PROCÉDÉ DE TRAITEMENT DE DONNÉES À BASE DE RÉSEAUX GÉNÉRATIFS INVERSIBLES, SYSTÈME ÉLECTRONIQUE DE DÉTECTION ET PROGRAMME D'ORDINATEUR ASSOCIÉS

Publication

EP 4179469 A1 20230517 (FR)

Application

EP 21742808 A 20210707

Priority

- FR 2007287 A 20200709
- EP 2021068861 W 20210707

Abstract (en)

[origin: WO2022008605A1] This electronic device for processing one or more data comprises: - a module (16) for acquiring a set of one or more data to be processed; - a computing module (18) including a plurality of components (20, Ck), each associated with a respective task, each component being configured to implement a reversible neural network to compute a vector in a latent space, called latent vector (hk), on the basis of the set of one or more data; - a module (22) for determining a task for each datum, by: + evaluating, for each component, a likelihood score on the basis of the corresponding latent vector; + assigning, to said datum, the task associated with the component with highest likelihood score from among the plurality of evaluated scores; and + if the likelihood score is inconsistent with the component associated with the assigned task, changing the assigned task into an unknown task.

IPC 8 full level

G06N 3/04 (2023.01); **G06N 3/08** (2023.01); **G06N 7/00** (2023.01)

CPC (source: EP US)

G06N 3/045 (2023.01 - EP); **G06N 3/047** (2023.01 - EP US); **G06N 3/0475** (2023.01 - US); **G06N 3/088** (2013.01 - EP); **G06N 7/01** (2023.01 - EP)

Citation (search report)

See references of WO 2022008605A1

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)

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DOCDB simple family (application)

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