

Title (en)

MULTIPLE LOCALLY STORED ARTIFICIAL NEURAL NETWORK COMPUTATIONS

Title (de)

MEHRERE LOKAL GESPEICHERTE KÜNSTLICHE NEURONALE NETZWERKBERECHNUNGEN

Title (fr)

MULTIPLES CALCULS STOCKÉS LOCALEMENT DE RÉSEAU NEURONAL ARTIFICIEL

Publication

EP 4049187 A1 20220831 (EN)

Application

EP 19809613 A 20191022

Priority

IB 2019059023 W 20191022

Abstract (en)

[origin: WO2021079168A1] Systems and methods for performing multiple locally stored artificial neural network (ANN) computations are provided. An example method comprises receiving, by one or more processing units, an ANN dataset associated with at least one ANN of a plurality of ANNs; storing, by processing units, the ANN dataset in a memory coupled to the processing units; associating, by the processing units, a base address with the at least one ANN, wherein the base address is to be used to locate the ANN dataset in the memory; keeping, by the processing units, the ANN dataset in the memory; receiving, by the processing units, an input dataset and the base address; determining, by the processing units and based on the base address, a location of the ANN dataset in the memory; and performing, by the processing units, ANN computation using the ANN dataset and input dataset.

IPC 8 full level

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CPC (source: EP)

G06N 3/04 (2013.01); **G06N 3/063** (2013.01); **G06N 3/082** (2013.01)

Citation (search report)

See references of WO 2021079168A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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