

Title (en)  
CONSTRUCTION OF BINARY NEURAL NETWORKS

Title (de)  
KONSTRUKTION VON BINÄREN NEURONALEN NETZEN

Title (fr)  
CONSTRUCTION DE RÉSEAUX NEURONAUX BINAIRES

Publication  
**EP 4176387 A1 20230510 (EN)**

Application  
**EP 20737008 A 20200706**

Priority  
EP 2020068997 W 20200706

Abstract (en)  
[origin: WO2022008032A1] A method and a computing device for constructing and/or training a binary neural network, BNN, are disclosed. The method may remove a knot from a layer of a BNN by adding a new neuron to the layer and solving appropriate weights for the new neuron. A BNN can be constructed and/or trained by repeating this process for consecutive layers of the BNN.

IPC 8 full level  
**G06N 3/08** (2023.01)

CPC (source: EP)  
**G06N 3/082** (2013.01)

Citation (search report)  
See references of WO 2022008032A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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