

Title (en)  
NEURON USING POSITS

Title (de)  
NEURON MIT POSITRONEN

Title (fr)  
NEURONE UTILISANT DES POSTULATS

Publication  
**EP 4172874 A1 20230503 (EN)**

Application  
**EP 21833644 A 20210628**

Priority  

- US 202016915039 A 20200629
- US 202016997599 A 20200819
- US 2021039326 W 20210628

Abstract (en)  
[origin: WO2022005944A1] Systems, apparatuses, and methods related to a neuron using posits are described. An example apparatus may include a memory array including a plurality of memory cells configured to store data. The data can include a plurality of bit strings. The example apparatus may include a neuron component coupled to the memory array. The neuron component can include neuron circuitry configured to perform neuromorphic operations on at least one of the plurality of bit strings.

IPC 8 full level  
**G06N 3/063** (2023.01); **G06F 7/544** (2006.01); **G11C 11/54** (2006.01)

CPC (source: EP KR)  
**G06F 7/5443** (2013.01 - EP KR); **G06N 3/049** (2013.01 - KR); **G06N 3/063** (2013.01 - EP KR); **G06N 20/00** (2019.01 - KR); **G11C 11/54** (2013.01 - EP KR); **G06N 3/049** (2013.01 - 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 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 2022005944 A1 20220106**; CN 115516463 A 20221223; CN 115668224 A 20230131; CN 115668224 B 20240611; EP 4172874 A1 20230503; EP 4172874 A4 20240717; EP 4172875 A1 20230503; KR 20230021140 A 20230213; KR 20230027250 A 20230227; WO 2022005673 A1 20220106

DOCDB simple family (application)  
**US 2021039326 W 20210628**; CN 202180034045 A 20210628; CN 202180035602 A 20210601; EP 21833644 A 20210628; EP 21833816 A 20210601; KR 20237000890 A 20210628; KR 20237002393 A 20210601; US 2021035125 W 20210601