

Title (en)
SYSTEM AND METHOD FOR A RECURSIVE CORTICAL NETWORK

Title (de)
SYSTEM UND VERFAHREN FÜR EIN REKURSIVES KORTIKALES NETZWERK

Title (fr)
SYSTÈME ET PROCÉDÉ POUR UN RÉSEAU CORTICAL RÉCURSIF

Publication
EP 3472714 A4 20200219 (EN)

Application
EP 16906435 A 20160621

Priority
US 2016038532 W 20160621

Abstract (en)
[origin: WO2017222508A1] A system and method for generating and inferring patterns with a network that includes providing a network of recursive sub-networks with a parent feature input node and at least two child feature output nodes; propagating node selection through the network layer hierarchy in a manner consistent with node connections of sub-networks of the network, the propagation within the sub-network including enforcing a selection constraint on at least a second node of a second pool according to a constraint node of the sub-network; and compiling the state of final child feature nodes of the network into a generated output.

IPC 8 full level
G06N 3/04 (2023.01)

CPC (source: EP US)
G06N 3/04 (2013.01 - EP US); **G06N 3/044** (2023.01 - EP); **G06N 3/045** (2023.01 - EP); **G06N 3/047** (2023.01 - EP);
G06N 20/00 (2018.12 - EP US)

Citation (search report)
• [XI] US 9262698 B1 20160216 - GEORGE DILEEP [US], et al
• See references of WO 2017222508A1

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

DOCDB simple family (publication)
WO 2017222508 A1 20171228; AU 2016410568 A1 20190124; AU 2016410568 B2 20220324; CA 3028921 A1 20171228;
CA 3028921 C 20210223; CN 109643388 A 20190416; EP 3472714 A1 20190424; EP 3472714 A4 20200219; JP 2019520656 A 20190718;
JP 6828065 B2 20210210

DOCDB simple family (application)
US 2016038532 W 20160621; AU 2016410568 A 20160621; CA 3028921 A 20160621; CN 201680088610 A 20160621;
EP 16906435 A 20160621; JP 2018567618 A 20160621