

Title (en)  
TAG-BASED APPARATUS AND METHODS FOR NEURAL NETWORKS

Title (de)  
TAG-BASIERTE VORRICHTUNG UND VERFAHREN FÜR NEURONALE NETZWERKE

Title (fr)  
APPAREIL ET PROCÉDÉS POUR DES RÉSEAUX NEURONAUX À BASE D'ÉTIQUETTES

Publication  
**EP 2825974 A4 20170405 (EN)**

Application  
**EP 13760351 A 20130315**

Priority  
• US 201213385933 A 20120315  
• US 2013032546 W 20130315

Abstract (en)  
[origin: WO2013138778A1] Apparatus and methods for high-level neuromorphic network description (HLND) using tags. The framework may be used to define nodes types, define node-to-node connection types, instantiate node instances for different node types, and/or generate instances of connection types between these nodes. The HLND format may be used to define nodes types, define node-to-node connection types, instantiate node instances for different node types, dynamically identify and/or select network subsets using tags, and/or generate instances of one or more connections between these nodes using such subsets. To facilitate the HLND operation and disambiguation, individual elements of the network (e.g., nodes, extensions, connections, I/O ports) may be assigned at least one unique tag. The tags may be used to identify and/or refer to respective network elements. The HLND kernel may comprises an interface to Elementary Network Description.

IPC 8 full level  
**G06N 3/10** (2006.01); **G06N 3/02** (2006.01); **G06N 3/04** (2006.01)

CPC (source: CN EP)  
**G06N 3/04** (2013.01 - CN EP); **G06N 3/10** (2013.01 - CN EP)

Citation (search report)  
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• [X] KORB T ET AL: "A declarative neural network description language", MICROPROCESSING AND MICROPROGRAMMING, ELSEVIER SCIENCE PUBLISHERS, BV., AMSTERDAM, NL, vol. 27, no. 1-5, 1 August 1989 (1989-08-01), pages 181 - 188, XP026658288, ISSN: 0165-6074, [retrieved on 19890801], DOI: 10.1016/0165-6074(89)90043-4  
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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

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**WO 2013138778 A1 20130919**; CN 104620236 A 20150513; CN 104620236 B 20190215; CN 106991475 A 20170728; EP 2825974 A1 20150121; EP 2825974 A4 20170405

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