

Title (en)
BUILDING CONVOLUTIONAL NEURAL NETWORK

Title (de)
KONSTRUKTION EINES NEURONALEN KONVOLUTIONSNETZES

Title (fr)
CONSTRUCTION D'UN RÉSEAU DE NEURONES CONVOLUTIF

Publication
EP 3472760 A4 20200304 (EN)

Application
EP 16905085 A 20160617

Priority
CN 2016086154 W 20160617

Abstract (en)
[origin: WO2017214970A1] Embodiments of the present disclosure provide a method, apparatus and computer program product for information processing. The method comprises: determining, based on a training dataset for multimedia content, convolution parameters and first feature maps for a convolutional layer in a convolutional neural network; changing an order of the first feature maps according to correlation among the first feature maps to obtain second feature maps; and updating the convolution parameters based on the training dataset and the second feature maps.

IPC 8 full level
G06K 9/00 (2006.01); **G06N 3/08** (2006.01)

CPC (source: EP US)
G06N 3/045 (2023.01 - EP); **G06N 3/082** (2013.01 - EP US); **G06N 3/084** (2013.01 - EP); **G06V 10/454** (2022.01 - EP US); **G06V 10/82** (2022.01 - EP US)

Citation (search report)

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- [T] PANG YANWEI ET AL: "Convolution in Convolution for Network in Network", IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, IEEE, PISCATAWAY, NJ, USA, vol. 29, no. 5, 1 May 2018 (2018-05-01), pages 1587 - 1597, XP011681448, ISSN: 2162-237X, [retrieved on 20180416], DOI: 10.1109/TNNLS.2017.2676130
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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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