Title (en)

A TRANSDUCTIVE AND/OR ADAPTIVE MAX MARGIN ZERO-SHOT LEARNING METHOD AND SYSTEM

Title (de)

ZERO-SHOT-LERNVERFAHREN UND -SYSTEM MIT TRANSDUKTIVEM UND/ODER ADAPTIVEM MAX-MARGIN

Title (fr)

PROCÉDÉ ET SYSTÈME D'APPRENTISSAGE SANS EXEMPLE À MARGE MAXIMALE TRANSDUCTIVE ET/OU ADAPTATIVE

Publication

EP 3593284 A4 20210310 (EN)

Application

EP 17899880 A 20170306

Priority

CN 2017075764 W 20170306

Abstract (en)

[origin: WO2018161217A1] An apparatus and method to implement object detection with a zero-shot learning model. The apparatus and method are configured to provide at least one embedding matrix of the zero-shot learning model, to provide unseen data for one or more unseen instances, to update the embedding matrix according to selected one or more unseen instances that have higher predicted confidence when the embedding matrix is applied, and to detect an object of interest in an unseen category from a region of an image using the updated embedded matrix. The initial embedding matrix can be refined beforehand using an adaptive max margin approach.

IPC 8 full level

G06N 20/00 (2019.01); **G06V 10/50** (2022.01)

CPC (source: EP US)

G06F 18/21355 (2023.01 - EP); **G06F 18/2155** (2023.01 - EP); **G06F 18/24** (2023.01 - EP); **G06N 20/00** (2018.12 - EP US); **G06V 10/50** (2022.01 - EP US); **G06V 20/10** (2022.01 - EP US); G06V 20/52 (2022.01 - EP US); G06V 20/56 (2022.01 - EP US)

Citation (search report)

- [XI] US 2016253597 A1 20160901 - BHATT HIMANSHU SHARAD [IN], et al
- See references of WO 2018161217A1

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 2018161217 A1 20180913; CN 110431565 A 20191108; CN 110431565 B 20230620; EP 3593284 A1 20200115; EP 3593284 A4 20210310

DOCDB simple family (application)

CN 2017075764 W 20170306; CN 201780088157 A 20170306; EP 17899880 A 20170306