Title (en)
ELECTRONIC APPARATUS AND METHOD OF OPERATING THE SAME

Title (de)
ELEKTRONISCHE VORRICHTUNG UND VERFAHREN ZUM BETRIEB DAVON

Title (fr)
APPAREIL ÉLECTRONIQUE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 3545436 A4 20200506 (EN)

Application
EP 18735947 A 20180103

Priority
- KR 20170000789 A 20170103
- KR 20170136612 A 20171020
- KR 2018000069 W 20180103

Abstract (en)
[origin: KR20180080098A] An electronic device comprises: a display unit; a memory to store one or more instructions; and a processor to execute the one or more instructions stored in the memory. The processor executes the one or more instructions to acquire a plurality of images, uses a feature extraction model to extract deep features for the plurality of images, uses the extracted deep features and a classification model to classify the plurality of images into prescribed groups, displays classified results on the display unit, uses the classified results to determine whether the feature extraction model and the classification model need to be updated, and trains at least one among the feature extraction model and the classification model in accordance with a determination result to update the at least one among the feature extraction model and the classification model. The electronic device can estimate deep features of an image by using a rule-based or an artificial intelligence algorithm. If the artificial intelligence algorithm is used to estimate the deep features of the image, the electronic device may use a machine learning, a neural network, or a deep learning algorithm.

IPC 8 full level
G06K 9/00 (2006.01); G06F 16/50 (2019.01); G06F 16/51 (2019.01); G06K 9/46 (2006.01); G06K 9/62 (2006.01); G06N 3/04 (2006.01); G06N 3/08 (2006.01)

CPC (source: EP KR US)
G06F 16/51 (2019.01 - EP US); G06F 16/583 (2019.01 - KR); G06F 18/217 (2023.01 - EP); G06F 18/22 (2023.01 - US); G06F 18/23 (2023.01 - US); G06F 18/24 (2023.01 - US); G06F 18/24143 (2023.01 - EP); G06N 3/045 (2023.01 - EP KR); G06N 3/08 (2013.01 - EP KR); G06V 10/454 (2022.01 - EP US); G06V 10/82 (2022.01 - EP US); G06V 10/94 (2022.01 - US); G06V 20/35 (2022.01 - EP US); G06N 3/02 (2013.01 - US); G06N 3/044 (2023.01 - EP)

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CN112906724A; CN112016595A; US11756289B2

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)
CN 110168530 A 20190823; CN 110168530 B 20240126; EP 3545436 A1 20191002; EP 3545436 A4 20200506; KR 102428920 B1 20220804; KR 20180080098 A 20180711

DOCDB simple family (application)
CN 201880005869 A 20180103; EP 18735947 A 20180103; KR 20170136612 A 20171020