

Title (en)

METHOD FOR PROVIDING A TRAINING DATA SET QUANTITY, METHOD FOR TRAINING A CLASSIFIER, METHOD FOR CONTROLLING A VEHICLE, COMPUTER-READABLE STORAGE MEDIUM AND VEHICLE

Title (de)

VERFAHREN ZUM BEREITSTELLEN EINER TRAININGSDATENSATZMENGE, EIN VERFAHREN ZUM TRAINIEREN EINES KLASSIFIKATORS, EIN VERFAHREN ZUM STEuern EINES FAHRZEUGS, EIN COMPUTERLESBARES SPEICHERMEDIUM UND EIN FAHRZEUG

Title (fr)

PROCÉDÉ DE FOURNITURE D'UNE QUANTITÉ D'ENSEMBLES DE DONNÉES D'ENTRAÎNEMENT, PROCÉDÉ D'ENTRAÎNEMENT D'UN CLASSIFICATEUR, PROCÉDÉ DE COMMANDE D'UN VÉHICULE, SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR

Publication

EP 3938946 A1 20220119 (DE)

Application

EP 20700599 A 20200115

Priority

- EP 19157049 A 20190214
- EP 2020050913 W 20200115

Abstract (en)

[origin: WO2020164841A1] Classification systems require a large quantity of training data representing different operating conditions. Creating said training data is complex and expensive. The invention relates to a method for providing a training data set quantity (30), in particular for an artificial neural network (32, 40), comprising the following steps: loading a base training data set (31), which specifies assignments (15, 15') of image data (14, 14') to characterizations (16, 16'); processing the base training data set (31) using at least one optical filter (19) and producing an output training data set (31'), which comprises the processed base training data set (31); providing a training data set quantity comprising the base training data set (31) and the output training data set (31'), the base training data set (31) being associated with properties of an optically transparent reference medium, in particular a reference windshield, and the output training data set (31') being associated with properties of an optically transparent training medium, in particular a training windshield, the optical filter (19) being defined in accordance with the installation position of the optically transparent reference medium (20) relative to an image sensor (23).

IPC 8 full level

G06K 9/00 (2022.01); **G06K 9/62** (2022.01)

CPC (source: EP US)

G06F 18/28 (2023.01 - EP); **G06V 20/56** (2022.01 - EP US)

Citation (search report)

See references of WO 2020164841A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020164841 A1 20200820; CN 111837125 A 20201027; EP 3938946 A1 20220119; MA 55272 A 20220119

DOCDB simple family (application)

EP 2020050913 W 20200115; CN 202080000259 A 20200115; EP 20700599 A 20200115; MA 55272 A 20200115