

Title (en)

METHOD FOR GENERATING IMAGES OF A VEHICLE-INTERIOR CAMERA

Title (de)

VERFAHREN ZUR ERZEUGUNG VON BILDERN EINER FAHRZEUG-INNENKAMERA

Title (fr)

PROCÉDÉ DE GÉNÉRATION D'IMAGES D'UNE CAMÉRA INTÉRIEURE DE VÉHICULE

Publication

EP 4165605 A1 20230419 (FR)

Application

EP 21730593 A 20210607

Priority

- FR 2006233 A 20200616
- EP 2021065160 W 20210607

Abstract (en)

[origin: WO2021254805A1] The invention provides a method for generating synthetic images, each image simulating an image of an individual acquired by a vehicle-interior camera, comprising: - generating a plurality of models of individuals, each model comprising a three-dimensional representation of a head of an individual, - receiving a set of variable parameters and a probability distribution associated with each parameter, the parameters being relative to at least one of the environment of the individual's model, and the attitude or position of the individual's model relative to its environment, - generating a set of configurations, each configuration corresponding to a combination of values or states adopted by each parameter, such that all the configurations are together representative of the probability distribution of each parameter, - generating, for each individual's model, a set of images simulating images of the individual's model acquired by a vehicle-interior camera, wherein each image corresponds to a configuration generated for one variable parameter, and wherein each image further comprises the three-dimensional positions of a set of characteristic points of the head of the individual, and - storing all the images in a memory.

IPC 8 full level

G06T 15/20 (2011.01); **G06T 15/50** (2011.01)

CPC (source: EP US)

G06T 13/40 (2013.01 - US); **G06T 15/20** (2013.01 - EP); **G06T 15/506** (2013.01 - EP); **G06T 17/00** (2013.01 - US); **G06V 10/774** (2022.01 - US); **G06V 10/776** (2022.01 - US); **G06V 20/59** (2022.01 - US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3111460 A1 20211217; **FR 3111460 B1 20230331**; CN 115769267 A 20230307; EP 4165605 A1 20230419; US 2023230359 A1 20230720; WO 2021254805 A1 20211223

DOCDB simple family (application)

FR 2006233 A 20200616; CN 202180042748 A 20210607; EP 2021065160 W 20210607; EP 21730593 A 20210607; US 202118008548 A 20210607