

Title (en)

METHOD FOR RATING A STATE OF A THREE-DIMENSIONAL TEST OBJECT, AND CORRESPONDING RATING SYSTEM

Title (de)

VERFAHREN ZUM BEWERTEN EINES ZUSTANDS EINES DREIDIMENSIONALEN PRÜFOBJEKTS UND ENTSPRECHENDES BEWERTUNGSSYSTEM

Title (fr)

PROCÉDÉ POUR ÉVALUER UN ÉTAT D'UN OBJET À CONTRÔLER TRIDIMENSIONNEL ET SYSTÈME D'ÉVALUATION CORRESPONDANT

Publication

**EP 3639199 A1 20200422 (DE)**

Application

**EP 19756319 A 20190628**

Priority

- DE 102018210768 A 20180629
- DE 2019200066 W 20190628

Abstract (en)

[origin: WO2020001711A1] A method for rating a state of a three-dimensional test object by taking into consideration a prescribed assessment task and by using a rating system comprising a neural network, wherein a training data record is provided and/or used that comprises multiple state data points from one or more three-dimensional training objects, wherein the training data record comprises a known state rating in regard to the prescribed assessment task for each of the state data points, wherein the rating system is adapted to the prescribed assessment task by parameterising the neural network of the rating system by using the training data record in a training process, and wherein an execution process involves the adapted rating system being used to calculate a state rating for a prescribed state data point of the test object. In addition, a corresponding rating system and a computer program product are disclosed.

IPC 8 full level

**G06V 10/764** (2022.01)

CPC (source: EP US)

**G06F 18/214** (2023.01 - US); **G06F 18/2413** (2023.01 - EP US); **G06N 3/08** (2013.01 - US); **G06V 10/764** (2022.01 - EP US); **G06V 10/82** (2022.01 - EP US); **G06V 20/64** (2022.01 - EP US); **G06V 2201/06** (2022.01 - EP)

Citation (search report)

See references of WO 2020001711A1

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)

**DE 102019209553 A1 20200102**; EP 3639199 A1 20200422; US 11954923 B2 20240409; US 2021124982 A1 20210429; WO 2020001711 A1 20200102

DOCDB simple family (application)

**DE 102019209553 A 20190628**; DE 2019200066 W 20190628; EP 19756319 A 20190628; US 201917256576 A 20190628