

Title (en)

METHOD FOR DETERMINING AN OPERATING ANGLE BETWEEN A TRACTOR AND A TRAILER OF SAID TRACTOR

Title (de)

VERFAHREN ZUM ERMITTELN EINES BETRIEBSWINKELS ZWISCHEN EINER ZUGMASCHINE UND EINEM ANHÄNGER DER ZUGMASCHINE

Title (fr)

PROCÉDÉ DE DÉTERMINATION D'UN ANGLE DE FONCTIONNEMENT ENTRE UN VÉHICULE TRACTEUR ET UNE REMORQUE DU VÉHICULE TRACTEUR

Publication

**EP 3970116 A1 20220323 (DE)**

Application

**EP 20723023 A 20200417**

Priority

- DE 102019206985 A 20190514
- EP 2020060883 W 20200417

Abstract (en)

[origin: WO2020229094A1] The invention relates to a method for determining an operating angle ( $\alpha$ ) between a tractor (10) and a trailer (20) of the tractor (10), comprising the steps: d) capturing camera images in chronological succession by means of at least one camera (11, 12) which is arranged on the tractor (10) and directed backward; e) identifying structures of the trailer (20) in the camera images; and a) determining the operating angle ( $\alpha$ ) by evaluating the detected structures in the camera images.

IPC 8 full level

**G06T 7/73** (2017.01)

CPC (source: EP US)

**B60D 1/62** (2013.01 - US); **G01B 11/26** (2013.01 - EP US); **G06T 7/11** (2016.12 - US); **G06T 7/73** (2016.12 - EP US); **G06T 2207/30252** (2013.01 - EP US)

Citation (search report)

See references of WO 2020229094A1

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 102019206985 A1 20201119**; CN 113874914 A 20211231; EP 3970116 A1 20220323; US 2022196395 A1 20220623; WO 2020229094 A1 20201119

DOCDB simple family (application)

**DE 102019206985 A 20190514**; CN 202080035494 A 20200417; EP 2020060883 W 20200417; EP 20723023 A 20200417; US 202017605516 A 20200417