

Title (en)

DETERMINING A VERTICAL PROFILE OF A VEHICLE ENVIRONMENT BY MEANS OF A 3D CAMERA

Title (de)

BESTIMMUNG EINES HÖHENPROFILS EINER FAHRZEUGUMGEBUNG MITTELS EINER 3D-KAMERA

Title (fr)

DÉTERMINATION D'UN PROFIL DE HAUTEUR D'UN ENVIRONNEMENT DE VÉHICULE AU MOYEN D'UN APPAREIL DE PRISE DE VUES 3D

Publication

EP 2795537 A1 20141029 (DE)

Application

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Priority

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Abstract (en)

[origin: WO2013091620A1] The invention relates to a method and to a device for determining a vertical profile of a vehicle environment by means of a 3D camera. At least one image of the environment of the vehicle is recorded by the 3D camera. The image data of the 3D camera is used to determine whether there is at least one discontinuity (7, 8) in the vertical course (6) of the environment surface transversely (2) to the direction of travel (10) of the vehicle.

IPC 8 full level

G06K 9/50 (2006.01); **H04N 13/20** (2018.01)

CPC (source: EP US)

G06T 7/248 (2016.12 - EP US); **G06T 7/35** (2016.12 - EP US); **G06V 20/588** (2022.01 - EP US); **H04N 7/183** (2013.01 - US); **H04N 13/20** (2018.04 - EP US); **G06V 10/421** (2022.01 - EP US)

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