

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE MOVEMENT OF A VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG DER BEWEGUNG EINES FAHRZEUGS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CONTRÔLE DU DÉPLACEMENT D'UN VÉHICULE

Publication

**EP 4168828 A1 20230426 (FR)**

Application

**EP 21732960 A 20210510**

Priority

- FR 2006537 A 20200623
- FR 2021050798 W 20210510

Abstract (en)

[origin: WO2021260283A1] The invention relates to a method and device for controlling the movement of a vehicle. The method acquires a cloud of three-dimensional data obtained by reflection of waves emitted by sensors on board the vehicle; transforms the cloud of three-dimensional data into a cloud of two-dimensional points expressed in a polar coordinate system, modifies this two-dimensional point cloud by deleting a current two-dimensional point whenever two two-dimensional points adjacent to the current two-dimensional point are not sufficiently far away from each other to avoid a collision between the vehicle and an object close to this vehicle, and controls the movement of the vehicle as a function of a convex envelope formed by the two-dimensional point cloud modified in this way and defining a free space accessible to the vehicle.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2021260283A1

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