

Title (en)

METHOD AND CONTROL DEVICE FOR VEHICLE COLLISION PREVENTION

Title (de)

VERFAHREN UND STEUEREINRICHTUNG ZUR FAHRZEUGKOLLISIONSVERMEIDUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE POUR LA PRÉVENTION DE COLLISIONS DE VÉHICULE

Publication

**EP 3924236 A1 20211222 (DE)**

Application

**EP 20702084 A 20200121**

Priority

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Abstract (en)

[origin: WO2020164867A1] The invention relates to a method for preventing a collision of a vehicle (10) with a potential collision object (20). In one step, a safety region (22) is determined around the potential collision object (20), wherein the safety region (22) is located outside a danger region (12) around the vehicle (10). In a further step, a trajectory path (14) is predicted, which is covered by the vehicle (10) along a future trajectory (16) and during a determined time period. In a further step, a safety measure is carried out on the vehicle (10) to prevent a collision of the vehicle (10) with the potential collision object (20) according to a geometric comparison of the predicted trajectory path (14) with the determined safety region (22). The invention also relates to a control device (40) for carrying out the method and a vehicle (10) comprising a control device of this type.

IPC 8 full level

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CPC (source: EP US)

**B60W 30/09** (2013.01 - EP US); **B60W 30/095** (2013.01 - EP); **B60W 30/0953** (2013.01 - US); **B60W 50/0097** (2013.01 - US); **B60W 50/14** (2013.01 - EP); **B60W 50/16** (2013.01 - EP US); **B60W 60/0011** (2020.02 - EP); **B60W 2050/143** (2013.01 - EP US); **B60W 2050/146** (2013.01 - US); **B60W 2300/10** (2013.01 - EP); **B60W 2300/12** (2013.01 - EP); **B60W 2300/15** (2013.01 - EP); **B60W 2300/17** (2013.01 - EP); **B60W 2420/403** (2013.01 - EP); **B60W 2420/408** (2024.01 - EP); **B60W 2420/54** (2013.01 - EP); **B60W 2540/10** (2013.01 - EP); **B60W 2540/12** (2013.01 - EP); **B60W 2540/18** (2013.01 - EP); **B60W 2540/20** (2013.01 - EP); **B60W 2554/00** (2020.02 - EP); **B60W 2554/4041** (2020.02 - EP US); **B60W 2554/80** (2020.02 - US); **B60W 2554/801** (2020.02 - EP); **B60W 2554/802** (2020.02 - EP)

Citation (search report)

See references of WO 2020164867A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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