

Title (en)  
DEVICE AND METHOD FOR STABILISING A MOTOR VEHICLE

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR STABILISIERUNG EINES FAHRZEUGS

Title (fr)  
SYSTÈME ET PROCÉDÉ DE STABILISATION D'UN VÉHICULE

Publication  
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Application  
**EP 16711242 A 20160318**

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Abstract (en)  
[origin: WO2016150869A1] The invention relates to a device for stabilising a vehicle, in particular after a collision against a lateral carriageway boundary, comprising a lane recognition system (1), with which information relating to the course of the lane (Kact ) is determined or detected, a collision detection unit, which identifies a collision (Tcrash) of the vehicle, in particular against the lateral lane carriageway boundary, on the basis of signals from at least one sensor or on the basis of a driving state variable (ay, ax, Vveh), determines an, in particular electrically controllable, steering actuator for steering a steering system, and an, in particular electrically controllable, brake actuator for controlling one or more wheel brakes, a target path determination unit, which determines a target path (Kref) for the vehicle, on the basis of the course of the lane determined or detected before or at the time of the collision, and a controller (2), which causes a guiding of the vehicle onto the target path and/or a stabilisation of the vehicle via a steering intervention, in particular a control of the steering actuator, and/or using individual wheel brake interventions, in particular a control of the brake actuator, and a method for stabilising the vehicle.

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