

Title (en)

METHOD AND DEVICE FOR DETECTING VEHICLES TRAVELLING BEHIND

Title (de)

VERFAHREN UND EINRICHTUNG ZUM ERKENNEN HINTERHERFAHRENDER FAHRZEUGE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTECTION DE VÉHICULES SUIVANT UN VÉHICULE

Publication

**EP 3787950 A1 20210310 (DE)**

Application

**EP 19729685 A 20190603**

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Abstract (en)

[origin: WO2020001924A1] A method and device for detecting vehicles (21) travelling behind. The invention relates, inter alia, to a method for detecting a vehicle (21) travelling directly behind a vehicle (20) which is travelling ahead on a pre-specified route section (30) of a route (10). According to the invention there is provision that with a route-section-monitoring device which monitors the pre-specified route section (30) to determine whether it is occupied or unoccupied, a release signal (F(t1)) is generated as soon as the route section (30) becomes free of vehicles again after a preceding occupied state, using a track-side time indication (t1), indicating the time of release, of the route-section-monitoring device, a location information item (S(t2)) of the vehicle (20) travelling ahead, which location information item (S(t2)) has been determined after the vehicle (20) travelling ahead exited the route section (30) at a location-determining time, a vehicle-side time indication (t2) indicating the location-determining time, and a speed indication (V) indicating the speed of the vehicle (20) travelling ahead, the location (S'(t1), S'(t1')) of the vehicle end of the vehicle (20) travelling ahead at the time when the route section (30) is released is calculated, the distance (A) between the section end (31) of the route section (30) and the calculated location(S'(t1), S'(t1')) of the vehicle end is determined, and on the basis of the distance (A) it is checked whether a vehicle (21) is travelling directly behind the vehicle (20) which is travelling ahead.

IPC 8 full level

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