Title (en)
ANTICOLLISION CONTROL SYSTEM FOR A VEHICLE

Title (de)
ANTIKOLLISIONSWARNSYSTEM FÜR EIN FAHRZEUG

Title (fr)
SYSTEME DE CONTROLE ANTICOLLISION POUR UN VEHICULE

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Application
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Abstract (en)
[origin: WO2008096048A1] The invention relates to an anticollision control system for at least a first vehicle fitted with an onboard automatic pilot
(self-guiding) allowing for bi-directional movements on a single lane under the control of a ground-based automated traffic control unit of the CBTC
type. The system particularly includes: a signalling control unit of the AWS type for controlling ground signals on a section of a single-direction
circulation lane; a first default control means based on which the signalling control unit imposes a single-direction movement to the vehicle running
on the section of a single-direction circulation lane in order to avoid any collision with another vehicle controlled solely by the signalling control unit
of the AWS type, i.e. independently from the ground-based automated traffic control unit. A first advantage of the invention is that a second control
mode can be activated, in which a displacement of the vehicle piloted in opposite directions on a portion at least of the section of the initially single-
direction circulation lane, can be initiated by means of a request for a control priority demand sent by the automated traffic control CBTC to the AWS
signalling control unit, which in turn sends back an authorisation (or refusal) signal RESP to said request.

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