

Title (en)

RADAR PROCESS AND DEVICE FOR CARRYING OUT SAID PROCESS

Title (de)

RADARVERFAHREN UND VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE RADAR ET DISPOSITIF ASSOCIE

Publication

EP 0730742 A1 19960911 (DE)

Application

EP 95901323 A 19941123

Priority

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Abstract (en)

[origin: WO9514939A1] A radar process and a device for carrying out said process are disclosed. After filtering through a Kalman filter and eliminating target objects having a physically impossible behaviour (tracking and prediction), on the basis of the detected values e (distance), vr (relative speed) and br (relative acceleration), as well as of the azimuth angle of each target object, is estimated whether and which target objects are on one's lane and one determines which target objects are most dangerous. Depending on the driving behaviour of the driver, road and weather conditions, indicator, warning or intervention thresholds are determined. When distance e, relative speed vr and relative acceleration br of the target objects exceed or fall below said thresholds, indicator, warning or intervention signals (at the vehicle brakes, throttle valve or shift gear) are generated.

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IPC 8 full level

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