

Title (en)

DRIVER ASSISTANCE DEVICE FOR A VEHICLE AND METHOD FOR OPERATING A RADAR DEVICE

Title (de)

FAHRERASSISTENZEINRICHTUNG FÜR EIN FAHRZEUG UND VERFAHREN ZUM BETREIBEN EINES RADARGERÄTS

Title (fr)

DISPOSITIF D'ASSISTANCE AU CONDUCTEUR POUR UN VÉHICULE ET PROCÉDÉ POUR FAIRE FONCTIONNER UN APPAREIL RADAR

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Application

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Abstract (en)

[origin: WO2011117173A1] The invention relates to a driver assistance device (2) for a vehicle (1), comprising a radar device (3, 4) for determining at least one measurement variable (a1, a2, R1, R2) related to an object (10) external to the vehicle, wherein the radar device (3, 4) comprises: at least one first and one second receiving antenna (14, 15) each for receiving signals (SE1, SE2), a first downconverting mixer (17) coupled to the first receiving antenna (14) via a first receiving path (16) and a second downconverting mixer (23) coupled to the second receiving antenna (15) via a second receiving path (21), each for downconverting the received signals (SE1, SE2) into base band signals (SB1, SB2), and a controller (5) for receiving the base band signals (SB1, SB2) and for determining the at least one measurement variable (a1, a2, R1, R2) by means of the base band signals (SB1, SB2), wherein the radar device (3, 4) comprises test means (32) for generating a local check signal (Sp) and for coupling the same check signal (Sp) into the first receiving path (16) and/or into the second receiving path (21), so that the controller (5) receives the check signal (Sp) downconverted by the first downconverting mixer (17) as a first test signal (ST1) and/or the check signal (Sp) downconverted by the second downconverting mixer (23) as a second test signal (ST2). The invention further relates to a corresponding method.

IPC 8 full level

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