

Title (en)

LASER SENSOR FOR A MOTOR VEHICLE COMPRISING A PARABOLIC MIRROR, DRIVER ASSISTANCE SYSTEM AND MOTOR VEHICLE

Title (de)

LASERSENSOR FÜR EIN KRAFTFAHRZEUG MIT PARABOLSPIEGEL, FAHRERASSISTENZSYSTEM SOWIE KRAFTFAHRZEUG

Title (fr)

CAPTEUR LASER DESTINÉ À UN VÉHICULE AUTOMOBILE ET MUNI D'UN MIROIR PARABOLIQUE, SYSTÈME D'AIDE À LA CONDUITE, ET VÉHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2016173954A1] The invention relates to a laser sensor (5) for a motor vehicle (1), comprising a transmission device (6) for emitting a transmission signal (8) in the form of optical radiation, comprising a deflection device (13) for deflecting the transmission signal (8, 8a, 8b, 8c), the deflection device (13) comprising a micromirror, and comprising a reception device (7) for receiving the transmission signal (9, 9a, 9b, 9c) reflected by at least one object (3, 3a, 3b, 3c) in a vicinity (4) of the motor vehicle (1), wherein the laser sensor (5) has a parabolic mirror (16) which is arranged in a beam path of the transmission signal (9, 9a, 9b, 9c), reflected by the at least one object (3, 3a, 3b, 3c), between the at least one object (3, 3a, 3b, 3c) and the reception device (7) and which is configured to deflect the transmission signal (9, 9a, 9b, 9c), reflected by the at least one object (3, 3a, 3b, 3c), to the reception device (7).

IPC 8 full level

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