

Title (en)

METHOD FOR THE DETECTION OF A NOISE COMPONENT IN AN ELECTRICAL RECEIVE SIGNAL OF AN ULTRASOUND SENSOR, ULTRASOUND SENSOR DEVICE AND MOTOR VEHICLE

Title (de)

VERFAHREN ZUR DETEKTION EINES STÖRSIGNALANTEILS IN EINEM ELEKTRISCHEN EMPFANGSSIGNAL EINES ULTRASCHALLSENSORS, ULTRASCHALLSENSORVORRICHTUNG UND KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ DE DÉTECTION D'UNE PARTIE DE SIGNAL PARASITE DANS UN SIGNAL DE RÉCEPTION ÉLECTRIQUE D'UN CAPTEUR À ULTRASON, DISPOSITIF CAPTEUR À ULTRASON ET VÉHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2014095605A1] The invention relates to a method for the detection of a noise component in an electrical receive signal (S), which is provided by means of an ultrasound sensor (4) of a motor vehicle (1) depending on an ultrasound receive signal received by the ultrasound sensor (4), wherein, after an ultrasound transmit signal has been emitted, a measurement time interval (10) is defined, within which target echoes (11, 14) in the electrical receive signal (S) are evaluated. Within the measurement time interval (10) a determination time interval (12) is defined and it is established depending on an evaluation of the electrical receive signal (S) within the determination time interval (12) whether the receive signal (S) has the noise component or not.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2014095605A1

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