

Title (en)

RADAR-ASSISTED SENSING OF THE POSITION AND/OR MOVEMENT OF THE BODY OR INSIDE THE BODY OF LIVING BEINGS

Title (de)

RADARGESTÜTZTE SENSIERUNG VON LAGE UND/ODER BEWEGUNG DES KÖRPERS ODER IM KÖRPER VON LEBEWESSEN

Title (fr)

DETECTION ASSISTEE PAR RADAR DE LA POSITION ET/OU DU MOUVEMENT DU CORPS D'UN ETRE VIVANT OU D'UNE PARTIE SITUEE DANS CE CORPS

Publication

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Application

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Abstract (en)

[origin: WO2004057367A1] The invention relates to a method for sensing information concerning the position and/or movements of the body of a living being or of a body part inside the body, particularly for use in a motor vehicle. The method contains the following steps: emitting (18) an electromagnetic signal (15) that, according to the invention, has frequencies in the radar range, onto a predetermined body area of a living being; receiving (20) an electromagnetic signal (22) reflected from the body area; evaluating (30) the captured received signal (22) with regard to a difference of the transit time and/or frequency from those of the emitted signal (15) in order to determine the information. The inventive method enables the contactless monitoring of breathing and heartbeat as well as the position of the body of a driver of a motor vehicle while driving.

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