

Title (en)

METHOD AND SYSTEM FOR DETERMINING AND INDICATING A FORDING SITUATION

Title (de)

VERFAHREN UND SYSTEM ZUM BESTIMMEN UND ANZEIGEN EINER WATSITUATION

Title (fr)

PROCÉDÉ ET SYSTÈME DESTINÉS À DÉTERMINER ET À AFFICHER UNE SITUATION D'INONDATION

Publication

**EP 3830519 A1 20210609 (DE)**

Application

**EP 19735302 A 20190701**

Priority

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- EP 2019067559 W 20190701

Abstract (en)

[origin: WO2020025232A1] A driver assistance system comprises a first measuring device for determining distances from the surface of a body of water, which device comprises at least two distance sensors. A first distance sensor is designed to be arranged on the vehicle, laterally with respect to a first side of the vehicle. A second distance sensor is designed to be arranged on the vehicle, laterally with respect to a second side of the vehicle, wherein the second side is opposite the first side. The first distance sensor is designed to measure a first distance from a surface of a body of water, in particular in that the distance is determined perpendicularly downward from the first sensor from the surface of the body of water, and the second distance sensor is designed to measure a second distance from a surface of the body of water, in particular in that the distance is likewise determined perpendicularly downward from the second sensor to the surface of the body of water. The first distance sensor and the second distance sensor are preferably each embodied as ultrasonic sensors. The respective installation height of the first and second distance sensors relative to the vehicle is in particular known or defined here. Furthermore, the driving assistance system comprises a second measuring device for determining a current pitch angle of the vehicle. Furthermore, the driving assistance system comprises a computing unit which is coupled to the first measuring device and the second measuring device. The computing unit is designed to determine a current level of the surface of the body of water in accordance with the first distance, the second distance and the current pitch angle of the vehicle. The driving assistance system also comprises a display unit which is designed to display the current level of the surface of the body of water relative to the vehicle.

IPC 8 full level

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