

Title (en)  
METHOD AND APPARATUS FOR IDENTIFYING A ROAD CONDITION

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM ERKENNEN EINES STRAßENZUSTANDS

Title (fr)  
PROCÉDÉ ET DISPOSITIF D'IDENTIFICATION DE L'ÉTAT D'UNE CHAUSSEE

Publication  
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Application  
**EP 19719877 A 20190425**

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Abstract (en)  
[origin: WO2019211169A1] The present invention relates to a method for identifying a road condition, wherein a plurality of noise levels (108), each captured by an ultrasonic sensor (104) of a vehicle (100) at a different installation location on the vehicle (100), is read in a reading step, respectively one first speed value (120) corresponding to a first possible road condition and at least respectively one second speed value (120) corresponding to a second possible road condition are assigned to the noise levels (108) in an assignment step using respectively one assigned processing prescription (116) which assigned to the respective detecting ultrasonic sensor (104) on an individual sensor basis, a first dispersion parameter (124) of the first speed values (120) and a second dispersion parameter (124) of the second speed values (120) are ascertained in an ascertainment step, and the road condition is determined using the dispersion parameters (124) in a determination step, wherein the road condition is determined to be the first possible road condition if the first dispersion parameter (124) is smaller than the second dispersion parameter (124), and the road condition is determined to be the second possible road condition if the second dispersion parameter (124) is smaller than the first dispersion parameter.

IPC 8 full level  
**B60W 40/06** (2012.01); **G01S 7/527** (2006.01); **G01S 7/537** (2006.01); **G01S 7/539** (2006.01); **G01S 15/60** (2006.01); **G01S 15/87** (2006.01); **G01S 15/88** (2006.01); **G01S 15/931** (2020.01)

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Citation (search report)  
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Cited by  
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