

Title (en)

METHOD AND DEVICE FOR IDENTIFYING A ROAD CONDITION

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERKENNEN EINES STRAßENZUSTANDS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RECONNAISSANCE DE L'ÉTAT D'UNE ROUTE

Publication

**EP 3788399 A1 20210310 (DE)**

Application

**EP 19719876 A 20190425**

Priority

- DE 102018206703 A 20180502
- EP 2019060632 W 20190425

Abstract (en)

[origin: WO2019211167A1] The present invention relates to a method for identifying a road condition of a road (104), characterised in that road condition information (134) representing the condition of the road is determined using a noise level (128) detected by at least one ultrasonic sensor (106) of a vehicle (100) and a ground echo (116) detected from a roadway surface in the vicinity of the vehicle (100).

IPC 8 full level

**G01S 15/931** (2020.01); **G01S 7/41** (2006.01); **G01S 7/527** (2006.01); **G01S 7/539** (2006.01); **G01S 13/86** (2006.01); **G01S 15/02** (2006.01); **G01S 15/60** (2006.01); **G01S 15/86** (2020.01); **G01S 15/88** (2006.01)

CPC (source: EP US)

**G01S 7/411** (2013.01 - EP US); **G01S 7/527** (2013.01 - EP US); **G01S 7/539** (2013.01 - EP US); **G01S 13/862** (2013.01 - EP US); **G01S 13/88** (2013.01 - US); **G01S 15/60** (2013.01 - EP US); **G01S 15/86** (2020.01 - EP US); **G01S 15/88** (2013.01 - EP US); **G01S 15/931** (2013.01 - EP); **G01S 7/4802** (2013.01 - EP); **G01S 7/537** (2013.01 - EP); **G01S 13/88** (2013.01 - EP); **G01S 2013/9323** (2020.01 - EP)

Citation (search report)

See references of WO 2019211167A1

Cited by

US11487005B2

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019211167 A1 20191107**; CN 112074758 A 20201211; DE 102018206703 A1 20191107; EP 3788399 A1 20210310; US 11487005 B2 20221101; US 2021018618 A1 20210121

DOCDB simple family (application)

**EP 2019060632 W 20190425**; CN 201980029524 A 20190425; DE 102018206703 A 20180502; EP 19719876 A 20190425; US 201917040514 A 20190425