

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

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DOCDB simple family (application)

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