

Title (en)

METHOD AND SYSTEM FOR DETECTING OBJECTS USING ULTRASONIC SIGNALS

Title (de)

VERFAHREN UND SYSTEM ZUM ERKENNEN VON OBJEKTEN ANHAND VON ULTRASCHALLSIGNALLEN

Title (fr)

PROCÉDÉ ET SYSTÈME D'IDENTIFICATION D'OBJETS À PARTIR DE SIGNAUX ULTRASONORES

Publication

**EP 3574336 A1 20191204 (DE)**

Application

**EP 17828862 A 20171211**

Priority

- DE 102017201219 A 20170126
- EP 2017082262 W 20171211

Abstract (en)

[origin: WO2018137834A1] The invention relates to a method for operating an ultrasonic measurement device, comprising the steps: receiving echo amplitudes (12); determining object distances for the received echo amplitudes (12); calculating normalised echo amplitudes for the received echo amplitudes (12), a received echo amplitude (12) with a certain object distance being divided by a reference echo amplitude for the same or a similar object distance; coding the normalised echo amplitudes; and transmitting the coded echo amplitudes to a control unit (8). The invention also relates to a computer program and a system for performing the method and to a vehicle (2) having a driver assistance system (4).

IPC 8 full level

**G01S 7/40** (2006.01); **G01S 7/52** (2006.01); **G01S 7/539** (2006.01); **G01S 15/10** (2006.01); **G01S 15/931** (2020.01)

CPC (source: EP US)

**G01S 7/52006** (2013.01 - US); **G01S 7/53** (2013.01 - US); **G01S 7/539** (2013.01 - EP US); **G01S 15/10** (2013.01 - EP); **G01S 15/102** (2013.01 - US); **G01S 15/931** (2013.01 - EP US); **G01S 7/52004** (2013.01 - EP); **G01S 7/533** (2013.01 - EP); **G01S 2015/932** (2013.01 - EP US)

Citation (search report)

See references of WO 2018137834A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102017201219 A1 20180726**; CN 110235015 A 20190913; EP 3574336 A1 20191204; US 11086012 B2 20210810; US 2019369238 A1 20191205; WO 2018137834 A1 20180802

DOCDB simple family (application)

**DE 102017201219 A 20170126**; CN 201780084855 A 20171211; EP 17828862 A 20171211; EP 2017082262 W 20171211; US 201716477774 A 20171211