

Title (en)

DEVICE AND METHOD FOR THE ACOUSTIC EXAMINATION OF OBJECTS IN THE ENVIRONMENT OF A MEANS OF CONVEYANCE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR AKUSTISCHEN UNTERSUCHUNG VON UMGEBUNGSOBJEKTEN EINES FORTBEWEGUNGSMITTELS

Title (fr)

DISPOSITIF ET PROCÉDÉ D'INSPECTION ACOUSTIQUE D'OBJETS ENVIRONNANTS D'UN MOYEN DE LOCOMOTION

Publication

EP 3167307 A1 20170517 (DE)

Application

EP 15721727 A 20150513

Priority

- DE 102014213359 A 20140709
- EP 2015060553 W 20150513

Abstract (en)

[origin: WO2016005087A1] The invention relates to a device and a method for the acoustic examination of objects (20, 30, 40) in the environment of a means of conveyance (10). The method comprises the steps of: - detecting sound emitted by an object (20, 30, 40) in the environment by means of a sensor (1, 2, 3, 4), - evaluating the sensor signal over time, and - recognising a position and/or a relative movement (P) and/or a spatial extent of the object (20, 30, 40) in the environment on the basis of a comparison of a time profile (5) of an intensity variable of the sensor signal with a predefined reference (6).

IPC 8 full level

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

CPC (source: CN EP)

G01S 11/14 (2013.01 - CN EP); **G01S 7/539** (2013.01 - CN EP); **G01S 15/931** (2013.01 - CN EP)

Citation (search report)

See references of WO 2016005087A1

Citation (examination)

EP 1296159 A2 20030326 - BOSCH GMBH ROBERT [DE]

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)

WO 2016005087 A1 20160114; CN 106537175 A 20170322; CN 106537175 B 20200519; DE 102014213359 A1 20160114; EP 3167307 A1 20170517

DOCDB simple family (application)

EP 2015060553 W 20150513; CN 201580037432 A 20150513; DE 102014213359 A 20140709; EP 15721727 A 20150513