

Title (en)

ACOUSTIC DEVICE, IN PARTICULAR FOR APPLICATIONS IN THE AUTOMOTIVE INDUSTRY

Title (de)

AKUSTISCHE VORRICHTUNG, INSBESONDERE FÜR ANWENDUNGEN IN DER AUTOMOBILINDUSTRIE

Title (fr)

DISPOSITIF ACOUSTIQUE, EN PARTICULIER POUR DES APPLICATIONS DANS L'INDUSTRIE AUTOMOBILE

Publication

EP 3343946 A1 20180704 (EN)

Application

EP 17210765 A 20171227

Priority

IT 201600131334 A 20161227

Abstract (en)

An acoustic device (1) provided with a microphone device (3) connected to a support (2) and having a sensitive area (5); an acoustic conduit (10) designed to convey the sound pressure waves generated by an external acoustic source towards the sensitive area (5); wherein the acoustic conduit (10) has a funnel-shaped portion (11) to convey the sound pressure waves towards a cylindrical portion (12); a membrane (15) interposed between the microphone device (3) and the cylindrical portion (12) of the acoustic conduit (10); and wherein the cylindrical portion (12) of the acoustic conduit (10) is L-shaped.

IPC 8 full level

H04R 1/08 (2006.01); **H04R 1/30** (2006.01)

CPC (source: CN EP)

H04R 1/02 (2013.01 - CN); **H04R 1/08** (2013.01 - CN); **H04R 1/086** (2013.01 - EP); **H04R 1/20** (2013.01 - CN); **H04R 9/02** (2013.01 - CN); **H04R 1/30** (2013.01 - EP); **H04R 2499/13** (2013.01 - EP)

Citation (search report)

- [IA] US 2016234594 A1 20160811 - OGURA HIROSHI [JP], et al
- [IA] US 2014198932 A1 20140717 - PARKINS JOHN W [US]
- [IA] WO 2013099068 A1 20130704 - NEC CASIO MOBILE COMM LTD [JP], et al

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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)

EP 3343946 A1 20180704; **EP 3343946 B1 20210324**; CN 108243373 A 20180703; CN 108243373 B 20220304; IT 201600131334 A1 20180627

DOCDB simple family (application)

EP 17210765 A 20171227; CN 201711433267 A 20171226; IT 201600131334 A 20161227