

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 B1 20210324 (EN)**

Application

**EP 17210765 A 20171227**

Priority

IT 201600131334 A 20161227

Abstract (en)

[origin: EP3343946A1] 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)

Cited by

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Designated contracting state (EPC)

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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