

Title (en)

Sound Generator for an Anti-noise System for influencing exhaust Noises and/or intake Noises of a Motor Vehicle

Title (de)

Schallerzeuger für ein Antischall-System zur Beeinflussung von Abgasgeräuschen und/oder Ansauggeräuschen eines Kraftfahrzeugs

Title (fr)

Générateur acoustique d'un système antibruit agissant sur les bruits de gaz d'échappement et/ou les bruits d'admission d'un véhicule automobile

Publication

EP 2801708 B1 20160120 (DE)

Application

EP 14162199 A 20140328

Priority

DE 102013104810 A 20130508

Abstract (en)

[origin: CN104141521A] A sound generator for influencing sound waves propagating in exhaust or intake systems of combustion engine driven vehicles includes: an enclosure having a port opening for communication with an exhaust and/or intake system; a loudspeaker basket supported by the enclosure; a membrane and a permanent magnet supported by the loudspeaker basket; and a voice coil supported by a voice coil carrier. The voice coil is disposed in a constant magnetic field created by the permanent magnet and is connected to the membrane. The membrane is located between the port opening and the permanent magnet. The membrane is funnel-like or dome-like, with the top or top face of the funnel-like membrane or the geometric center of the dome-like membrane facing away from the permanent magnet. An anti-noise system using the sound generator, and a vehicle using the anti-noise system are also provided.

IPC 8 full level

F01N 1/06 (2006.01); **G10K 9/22** (2006.01); **G10K 13/00** (2006.01); **H04R 7/12** (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP US)

F01N 1/065 (2013.01 - EP US); **F02M 35/125** (2013.01 - EP US); **G10K 9/13** (2013.01 - EP US); **G10K 11/17833** (2017.12 - EP US); **G10K 11/1785** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17883** (2017.12 - EP US); **G10K 13/00** (2013.01 - EP US); **H04R 1/00** (2013.01 - US); **G10K 2210/112** (2013.01 - US); **G10K 2210/3212** (2013.01 - EP US)

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