

Title (en)

Sound Generator for an Anti-Noise System for influencing exhaust Noise and/or intake Noise 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 2826966 B1 20160120 (DE)**

Application

**EP 14172712 A 20140617**

Priority

DE 102013011937 A 20130717

Abstract (en)

[origin: CN104295342A] A sound generator for an anti-noise system for influencing sound waves propagating in exhaust systems or intake systems of vehicles driven by an internal combustion engine includes a loudspeaker basket, a membrane supported by the loudspeaker basket, a permanent magnet supported by the loudspeaker basket, a voice coil supported by a voice coil carrier and a membrane stop. The voice coil is located within a constant magnetic field generated by the permanent magnet. The voice coil carrier is supported by the membrane. The membrane stop is located on the loudspeaker basket adjacent to the membrane. The membrane stop includes a projection extending towards the membrane. An anti-noise system using the sound generator and a vehicle using the anti-noise system are also disclosed.

IPC 8 full level

**F01N 1/06** (2006.01); **G10K 11/16** (2006.01)

CPC (source: EP US)

**F01N 1/065** (2013.01 - EP US); **F02M 35/125** (2013.01 - EP US); **G10K 9/18** (2013.01 - EP US); **G10K 11/1785** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17883** (2017.12 - EP US); **H04R 1/00** (2013.01 - US); **G10K 2210/3212** (2013.01 - EP US)

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DOCDB simple family (publication)

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