

Title (en)

Noise compensation device in a motor vehicle

Title (de)

Geräuschkompensationseinrichtung in einem Kraftfahrzeug

Title (fr)

Dispositif de compensation du bruit dans un véhicule automobile

Publication

**EP 2352142 B1 20221019 (DE)**

Application

**EP 10014590 A 20101113**

Priority

DE 102010006303 A 20100130

Abstract (en)

[origin: EP2352142A2] The device has a receiving device (10) detecting arising noise, and a signal generation unit (8) producing a signal based on the detected noise. A loudspeaker (7) produces discharge sound waves by using the signal, where the discharge sound waves are phase-shifted against sound waves of the arising noise. The loudspeaker is arranged in a vehicle interior such that the discharge sound waves are radiated into a region of a sleeping area (11). The receiving device and the loudspeaker are integrated into a microphone loudspeaker unit.

IPC 8 full level

**G10K 11/178** (2006.01)

CPC (source: EP US)

**G10K 11/1783** (2017.12 - EP US); **G10K 11/17861** (2017.12 - EP US); **G10K 11/17875** (2017.12 - EP US); **G10K 2210/1282** (2013.01 - EP)

Citation (examination)

KUO S M ET AL: "ACTIVE NOISE CONTROL: A TUTORIAL REVIEW", PROCEEDINGS OF THE IEEE, IEEE. NEW YORK, US, vol. 87, no. 6, 1 June 1999 (1999-06-01), pages 943 - 973, XP011044219, ISSN: 0018-9219, DOI: 10.1109/5.763310

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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