

Title (en)

Acoustic transducer for exhaust gas pulsations

Title (de)

Schallwandler für Abgaspulsationen

Title (fr)

Transducteur acoustique pour les pulsations de gaz d'échappement

Publication

**EP 1138887 A3 20020619 (DE)**

Application

**EP 01108092 A 20010329**

Priority

DE 10015697 A 20000329

Abstract (en)

[origin: EP1138887A2] The device has a branch member (11,11') connected to the exhaust system (2) of an IC engine, to branch-off exhaust pulsation. It also has a modulator head (15) to radiate airborne sound into the engine space, dependent upon exhaust pulsation. The head is formed as a resonance body, and pref. consists of a support frame and a membrane tensioned in it. It is at least partially placed inside the engine chamber and/or the vehicle interior.

IPC 1-7

**B60Q 5/00**; **G10K 9/02**; **F01N 7/00**

IPC 8 full level

**A61P 31/12** (2006.01); **B60Q 5/00** (2006.01); **C12M 1/16** (2006.01); **F01N 7/00** (2006.01); **G10K 11/22** (2006.01)

CPC (source: EP)

**F01N 1/065** (2013.01); **G10K 11/22** (2013.01)

Citation (search report)

- [XY] FR 642008 A 19280817
- [A] DE 4435296 A1 19960404 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] WO 0004532 A1 20000127 - TUEV AUTOMOTIVE GMBH UNTERNEHM [DE], et al
- [A] DE 4233252 C1 19931216 - BAYERISCHE MOTOREN WERKE AG [DE]
- [YA] PATENT ABSTRACTS OF JAPAN vol. 014, no. 575 (M - 1062) 20 December 1990 (1990-12-20)

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EP1816022A1; CN102840023A; ES2405729R1; GB2556046A; GB2556046B; DE102005006914B4; US2023039045A1; EP3156300A1; US11028743B2; US6848410B2; US7487857B2; DE102012109668A1; US9682652B2; DE102017222144A1; WO02077969A1; WO03101780A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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