

Title (en)

Sound damping device having a Helmholtz resonator for installations with pulsating gas flows

Title (de)

Geräuschdämpfungsvorrichtung mit einem Helmholtz-Resonator bei Anlagen mit pulsierenden Gasströmungen

Title (fr)

Dispositif d'atténuation de bruit utilisant un résonateur de type Helmholtz dans des installations à courants de gaz pulsé

Publication

EP 1381025 A3 20041208 (DE)

Application

EP 03013618 A 20030616

Priority

DE 10231238 A 20020711

Abstract (en)

[origin: EP1381025A2] The Helmholtz resonator is formed as a chamber (2) coupled to an exhaust gas flow pipe (6) by a side tube (5) in which there is a valve (8) that can be used to close it. A second side tube (4) permanently connects with the resonator chamber. The valve is coupled to a controller (10) and is open or closed dependent upon the engine speed and load.

IPC 1-7

G10K 11/172

IPC 8 full level

G10K 11/16 (2006.01); **G10K 11/172** (2006.01)

CPC (source: EP)

G10K 11/161 (2013.01); **G10K 11/172** (2013.01); **F23R 2900/00013** (2013.01)

Citation (search report)

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- [A] WO 9917012 A1 19990408 - MANN & HUMMEL FILTER [DE], et al
- [AD] DE 4305333 C1 19940707 - FASAG AG SUHR [CH]
- [AD] DE 10004991 A1 20010809 - VOLKSWAGEN AG [DE]
- [AD] DE 19618432 A1 19971113 - MANN & HUMMEL FILTER [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 105 (M - 1092) 13 March 1991 (1991-03-13)

Cited by

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