

Title (en)

BROAD-BAND SILENCER FOR A MOTOR VEHICLE ENGINE

Title (de)

BREITBANDDÄMPFER FÜR EINEN KRAFTFAHRZEUG-MOTOR

Title (fr)

AMORTISSEUR À BANDE LARGE POUR UN MOTEUR DE VÉHICULE AUTOMOBILE

Publication

EP 3728824 A1 20201028 (DE)

Application

EP 18829324 A 20181218

Priority

- DE 102017130661 A 20171220
- EP 2018085587 W 20181218

Abstract (en)

[origin: WO2019121744A1] The invention relates to a broad-band resonance silencer having an at least two-part housing (2) which is designed to receive an exhaust- or gas-conveying pipe (4.1), which defines, with a circumferentially surrounding pipe jacket with acoustic openings formed therein, a pipe interior, wherein the pipe (4.1), in its installed position, is enclosed by a damping chamber formed by the housing, which chamber is actively connected to the pipe interior via the acoustic openings (4.2), and wherein the housing (2) comprises two axially split housing half-shells. In order to broaden the scope of use of such a broad-band resonance silencer, it is proposed that the pipe be designed as an insert (4) which comprises a central pipe section with two end-side pipe ends, that the insert (4) be designed such that it can be inserted into the housing half-shells of the housing, and that the broad-band resonance silencer comprise at least one acoustic channel (4.5, 4.6, 4.13, 4.15, 4.20).

IPC 8 full level

F02M 35/12 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019121744A1

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DE 102017130661 A 20171220; CN 201880082257 A 20181218; EP 18829324 A 20181218; EP 2018085587 W 20181218; US 201816956548 A 20181218