

Title (en)

SILENCING DEVICE FOR VEHICLES ARRANGED IN THE CHARGED-AIR DUCT OF A COMBUSTION ENGINE

Title (de)

FAHRZEUGSCHALLDÄMPFER FÜR EINE LADELUFTLEITUNG EINES VERBRENNUNGSMOTORS

Title (fr)

SILENCIEUX DE VEHICULE POUR LA CONDUITE D'AIR COMPRIMÉ D'UN MOTEUR À COMBUSTION

Publication

EP 3209876 A1 20170830 (DE)

Application

EP 15808070 A 20151021

Priority

- AT 507542014 A 20141021
- AT 2015050263 W 20151021

Abstract (en)

[origin: WO2016061604A1] The invention relates to a vehicle sound damper (1) for the charge air line of an internal combustion engine provided with a turbocharger (67). The vehicle sound damper (1) comprises at least a first housing part (2) and a second housing part (3) made of a metallic material, the housing parts (2, 3) being coupled together in a connection zone (4) and forming an outer shell (9) of the vehicle sound damper (1). An inner resonator element (31) made of plastics is interlockingly received in at least one of the housing parts (2, 3), and comprises at least one chamber partition (17), and at least one first inner pipe section (15) joined thereto. At least a first resonator chamber (6) and a second resonator chamber (7) are formed by the housing parts (2, 3) and by the inner resonator element (31).

IPC 8 full level

F02M 35/12 (2006.01); **F02B 33/44** (2006.01)

CPC (source: EP)

F02B 33/44 (2013.01); **F02M 35/1255** (2013.01); **F02M 35/1261** (2013.01); **F02M 35/1266** (2013.01); **F02M 35/1283** (2013.01)

Citation (search report)

See references of WO 2016061604A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016061604 A1 20160428; EP 3209876 A1 20170830; EP 3209876 B1 20181226; ES 2717778 T3 20190625

DOCDB simple family (application)

AT 2015050263 W 20151021; EP 15808070 A 20151021; ES 15808070 T 20151021