

Title (en)

Motor vehicle ventilation channel with dampened Helmholtz resonator

Title (de)

Kraftfahrzeug-Luftleitungskanal mit gedämpfem Helmholtz-Resonator

Title (fr)

Canal de guidage de l'air de véhicule automobile doté d'un résonateur Helmholtz amorti

Publication

EP 2541034 B1 20141105 (DE)

Application

EP 11171742 A 20110628

Priority

EP 11171742 A 20110628

Abstract (en)

[origin: EP2541034A1] The air duct (12) comprises a Helmholtz resonator (14) having a damping element (30) which functions as a sound-dissipative material. The Helmholtz resonator is arranged along the depth dimension (T) of the air duct and is set away from the transition region (28) with an abrupt change in the cross-sectional area. The damping element is provided in the transition region or on the side of the neck portion (14a) of the Helmholtz resonator with a smaller cross-sectional area.

IPC 8 full level

F02M 35/12 (2006.01)

CPC (source: EP)

F02M 35/1261 (2013.01); **F02M 35/1272** (2013.01)

Cited by

JP2015151956A; US9970340B2; US9605631B2; EP2956638A4; EP3467276A1; WO2015018910A1

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

DOCDB simple family (publication)

EP 2541034 A1 20130102; EP 2541034 B1 20141105

DOCDB simple family (application)

EP 11171742 A 20110628