

Title (en)

NOISE DAMPER FOR A COMPRESSED AIR DEVICE

Title (de)

GERÄUSCHDÄMPFER FÜR DRUCKLUFTEINRICHTUNGEN

Title (fr)

AMORTISSEUR DE BRUIT POUR DISPOSITIFS A AIR COMPRIME

Publication

EP 1792062 A1 20070606 (DE)

Application

EP 05746178 A 20050604

Priority

- EP 2005006029 W 20050604
- DE 202004011630 U 20040724

Abstract (en)

[origin: WO2006010400A1] The invention relates to a noise damper for a compressed air device comprising a tubular housing part provided with an air inlet and an inserted insulating material, in particular an inserted knitted fabric roll. The aim of the invention is to produce an improved noise damper which provides better sound dampening, simultaneously implements high ventilation gradients, is insertable in confined spaces of a motor vehicle and easily manufactured. For this purpose, the air inlet (32, 33) is embodied in the envelop (16, 18) of the tubular housing part (6) in such a way that the supplied air tangentially flows through the insulating material or the knitted fabric roll (42), afterwards, is radially deviated inside said tubular housing part (6) and axially flows out from at least one end of the tubular housing part.

IPC 8 full level

F01N 1/08 (2006.01); **B60T 17/00** (2006.01); **F01N 1/12** (2006.01); **F01N 13/16** (2010.01); **F04B 39/00** (2006.01)

CPC (source: EP US)

B60T 17/008 (2013.01 - EP US)

Citation (search report)

See references of WO 2006010400A1

Citation (examination)

EP 1411244 A2 20040421 - WABCO GMBH & CO OHG [DE]

Designated contracting state (EPC)

DE FR IT NL PL SE

DOCDB simple family (publication)

DE 202004011630 U1 20041111; CN 100545427 C 20090930; CN 1989318 A 20070627; EP 1792062 A1 20070606; JP 2008507650 A 20080313; JP 4502281 B2 20100714; US 2008289900 A1 20081127; US 8006801 B2 20110830; WO 2006010400 A1 20060202

DOCDB simple family (application)

DE 202004011630 U 20040724; CN 200580024576 A 20050604; EP 05746178 A 20050604; EP 2005006029 W 20050604; JP 2007521811 A 20050604; US 65833505 A 20050604