

Title (en)

Filter silencer mounting device for turbo charger inlet

Title (de)

Befestigungsvorrichtung für einen Filterschalldämpfer am Verdichtereingang eines Turboladers

Title (fr)

Dispositif de montage d'un filtre silencieux pour l'entrée d'une turbo-soufflante

Publication

**EP 1186781 B2 20120530 (DE)**

Application

**EP 00810814 A 20000908**

Priority

EP 00810814 A 20000908

Abstract (en)

[origin: EP1186781A1] Fixing device (36) comprises an oscillating decoupler (46) arranged between a filter exhaust gas silencer (16) and the housing part (32) of a compressor so that it oscillates with a different frequency than a turbocharger housing when the silencer is activated. <??>An Independent claim is also included for a turbocharger for charging I.C. engines. Preferred Features: The decoupler is a rubber-elastic element made from an elastomer having good temperature, wear and oil resistance. The decoupler has a low rigidity in the axial direction as well as across the axial direction of the turbocharger. The decoupler is mechanically pre-stressed.

IPC 8 full level

**F02B 37/00** (2006.01); **F02B 39/00** (2006.01); **F02M 35/10** (2006.01); **F02M 35/12** (2006.01); **F02M 35/14** (2006.01); **F04D 25/04** (2006.01); **F04D 29/66** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP KR)

**F04D 25/024** (2013.01 - EP); **F04D 29/66** (2013.01 - KR); **F04D 29/668** (2013.01 - EP); **F04D 29/701** (2013.01 - EP); **F05D 2220/40** (2013.01 - EP)

Citation (opposition)

Opponent :

- DE 1807288 U 19600303 - MANN & HUMMEL FILTER [DE]
- DE 9210095 U1 19920924
- DE 19526934 A1 19970130 - MANN & HUMMEL FILTER [DE]
- DE 19503918 A1 19960808 - DAIMLER BENZ AG [DE]
- EP 0514646 A1 19921125 - PORSCHE AG [DE]

Cited by

EP1586745A1; CN105531460A; EP3009633A4; EP3173630A1; US11486296B2; US7900449B2; EP3926148A1; WO2020020640A1; WO2005061903A1; WO2008023033A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1186781 A1 20020313**; **EP 1186781 B1 20061102**; **EP 1186781 B2 20120530**; AU 8164401 A 20020322; CN 1242179 C 20060215; CN 1473245 A 20040204; DE 50013694 D1 20061214; JP 2004507668 A 20040311; JP 4681211 B2 20110511; KR 100812585 B1 20080313; KR 20030032013 A 20030423; TW 576899 B 20040221; WO 0220996 A1 20020314

DOCDB simple family (application)

**EP 00810814 A 20000908**; AU 8164401 A 20010821; CH 0100511 W 20010821; CN 01818582 A 20010821; DE 50013694 T 20000908; JP 2002525376 A 20010821; KR 20037003374 A 20030307; TW 90101395 A 20010120