

Title (en)  
Resonator type silencer for automotive engine

Title (de)  
Resonator-Schalldämpfer für einen Fahrzeugmotor

Title (fr)  
Silencieux à résonateur pour un moteur de véhicule

Publication  
**EP 1132611 A1 20010912 (EN)**

Application  
**EP 00105114 A 20000310**

Priority  
EP 00105114 A 20000310

Abstract (en)  
A resonator type silencer (5) connected to an air intake duct of an automotive internal combustion engine. The resonator type silencer comprises a first case (2) having an open end section (2A). A second case (3) is fabricated separate from the first case (2). The second case (3) has an open end section (3A) which is joinable with the open end section (2A) of the first case (2). The open end section (2A) of the first case (2) includes an end edge portion (P1) having a linear projection (5) extending along the end edge portion (P1). The linear projection (5) has an inclined face (6) extending along the end edge portion (P1) and sloped down in a direction toward a surface of the open end section (2A). The open end section of the second case (3) includes an end wall portion. A guide wall is integral with the end wall portion and extending along an end edge portion of the open end section. <IMAGE>

IPC 1-7  
**F02M 35/12**

IPC 8 full level  
**F02M 35/02** (2006.01); **F02M 35/12** (2006.01)

CPC (source: EP)  
**F02M 35/0203** (2013.01); **F02M 35/1255** (2013.01); **F02M 35/1283** (2013.01)

Citation (applicant)  
JP H0660764 A 19940304 - FUJITSU LTD

Citation (search report)  
• [A] EP 0897060 A2 19990217 - HONDA MOTOR CO LTD [JP]  
• [A] DE 19811051 A1 19990916 - MANN & HUMMEL FILTER [DE]  
• [A] DE 1476196 A1 19690710 - FIOCCHI AMBROGIO  
• [A] DE 4326731 A1 19950216 - KNECHT FILTERWERKE GMBH [DE]  
• [A] US 5295602 A 19940322 - SWANSON JOHN S [US]  
• [A] US 5725624 A 19980310 - ERNST VOLKER [DE], et al  
• [A] FR 2745038 A1 19970822 - RENAULT [FR]

Cited by  
EP2096296A1; CN107204181A; US7976603B2; US8001945B2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1132611 A1 20010912; EP 1132611 B1 20041229**; DE 1132611 T1 20020221; DE 60017075 D1 20050203; DE 60017075 T2 20050525

DOCDB simple family (application)  
**EP 00105114 A 20000310**; DE 00105114 T 20000310; DE 60017075 T 20000310