

Title (en)  
Intake noise damping device.

Title (de)  
Ansauggeräuschkämpfer.

Title (fr)  
Silencieux d'aspiration.

Publication  
**EP 0509782 B1 19940615 (EN)**

Application  
**EP 92303379 A 19920415**

Priority  
JP 11070791 A 19910417

Abstract (en)  
[origin: EP0509782A1] The present invention relates to improvements in an intake noise damping device mounted in the intake system of an engine for motor vehicles. There is mounted an intake noise damping device 12 on the first air duct member side in the vicinity of a connection of the intake duct formed by connecting the first intake air duct member 8 to the second intake air duct member 9. The intake noise damping device comprises a bulged section 14 formed in the first intake air duct member, a sound absorbing material 17 installed in the bulged section, and perforated plate 18 installed along the inside surface of the sound absorbing material. These parts are cylindrical and of an elliptic sectional form. There is provided an engaging projection 22 in the perforated plate at a position of minor axis end a1. This engaging projection is engaged with an engaging hole 24 provided in the inner surface of the duct member 8, and the end face of the duct member 9 which fits in the duct member 8 contacts the opposite end face of the perforated plate. The perforated plate has a number of holes 19 made in the direction of the minor axis, in its surfaces of large radius of curvature extending from both minor axis ends to both sides in direction of major axis b. <IMAGE>

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

IPC 8 full level  
**F02M 35/10** (2006.01); **F02M 35/12** (2006.01)

CPC (source: EP)  
**F02M 35/1216** (2013.01); **F02M 35/1272** (2013.01); **F02M 35/1277** (2013.01)

Cited by  
EP1146503A3; US10151274B2; WO0150000A1; US8316987B2; EP2388504B1; EP2388504B2

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