

Title (en)
Mouldable acoustic devices

Title (de)
Akustisches Gerät aus spritzgiessfähigem Kunststoff

Title (fr)
Dispositifs acoustiques moulables

Publication
EP 0837238 A3 19981028 (EN)

Application
EP 97304416 A 19970624

Priority
• BR 9602968 A 19960624
• BR 9603046 A 19960701

Abstract (en)
[origin: EP0837238A2] Mouldable acoustic devices internally coupled to a vehicle engine's air filter relates to a mouldable acoustic box (5), comprised of a plate of porous acoustic absorbing material or a set of plates of porous acoustic materials, superimposed and glued to each other, having its shape predetermined pursuant to the internal and acoustic characteristics of the conventional air filter to which it will be internally coupled, the device (5) being essentially an acoustic internal lining having the purpose of absorbing acoustic waves generated by inlet noises, that is coupled inside the air filter's upper compartment (1) and/or lower compartment (2), the device (5) being optionally removable from the relevant compartments.e

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F02M 35/14

IPC 8 full level
F02M 35/14 (2006.01)

CPC (source: EP)
F02M 35/1216 (2013.01); **F02M 35/14** (2013.01); **F02M 35/1288** (2013.01)

Citation (search report)
• [X] WO 9319291 A1 19930930 - ILLBRUCK GMBH [DE]
• [X] EP 0435588 A2 19910703 - CADILLAC RUBBER & PLASTICS INC [US]
• [A] EP 0195121 A1 19860924 - PORSCHE AG [DE]
• [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 014 (M - 659) 16 January 1988 (1988-01-16)
• [X] PATENT ABSTRACTS OF JAPAN vol. 011, no. 339 (M - 639) 6 November 1987 (1987-11-06)
• [X] PATENT ABSTRACTS OF JAPAN vol. 009, no. 149 (M - 390) 25 June 1985 (1985-06-25)

Cited by
DE10144972C1; EP2990636A1; EP2148075A1; US6951697B2; US7416580B2; US6783881B2; WO03023884A3; WO02084099A1; US6797027B2; US7138008B2; WO03023217A1; US7249652B2; US6780534B2

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