

Title (en)

SOUND-ABSORBING ENCAPSULATION FOR AN INTERNAL-COMBUSTION ENGINE

Publication

EP 0307388 B1 19911023 (DE)

Application

EP 88890222 A 19880901

Priority

AT 227687 A 19870909

Abstract (en)

[origin: JPS6483823A] PURPOSE: To improve the property of sound-insulation and heat resistance of a sound insulating material casing for internal combustion engine provided with a sealing ring made of a rubber-elastic material between an inner flanged ring of a side of the engine and an outer flanged ring of a side of the casing by providing a protective shielding body and a heat resistant insulating material at a side of the inside flange ring. CONSTITUTION: An internal combustion engine has a sound insulating casing 2 which forms a penetrating opening 4 to pull an exhaust gas duct 3 out and is provided a penetrating opening sealing device 6 to seal the penetrating opening 4. In the sealing device 6, an inner flanged ring 7, which is attached to a cylinder head 1a, and an outer flanged ring 8, which is attached to a casing 2 with sealing are provided. A sealing ring 9 made of an elastomer is vulcanized and stucked between the both flanged rings 7, 8 and a protective shielding body 10, which shields the sealing ring 9 to the exhaust gas duct 3, is attached with compressing. A heat-resisting filling shield material 11 which absorbs sound at a middle space among the shielding body 10, the sealing ring 9 and the flanged ring 8.

IPC 1-7

F02B 77/13

IPC 8 full level

F02B 77/13 (2006.01); **F16M 1/00** (2006.01)

CPC (source: EP US)

F02B 77/13 (2013.01 - EP US)

Cited by

DE4136304A1

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0307388 A2 19890315; EP 0307388 A3 19891129; EP 0307388 B1 19911023; AT 389744 B 19900125; AT A227687 A 19890615; CA 1297413 C 19920317; DE 3865790 D1 19911128; JP H0786328 B2 19950920; JP S6483823 A 19890329; SU 1602398 A3 19901023; US 4836160 A 19890606; YU 168488 A 19900831; YU 47292 B 19950131

DOCDB simple family (application)

EP 88890222 A 19880901; AT 227687 A 19870909; CA 576745 A 19880908; DE 3865790 T 19880901; JP 21864388 A 19880902; SU 4356400 A 19880908; US 24185988 A 19880908; YU 168488 A 19880905