

Title (en)
INTERNAL-COMBUSTION ENGINE WITH A SOUND-INSULATING COVER

Publication
EP 0276738 B1 19910102 (DE)

Application
EP 88100748 A 19880120

Priority
DE 3702023 A 19870124

Abstract (en)
[origin: EP0276738A2] The soundproof cover and flexible mounting of internal combustion engines which prevents the propagation of sound and the transmission of vibrations to vehicles and foundations can have consequences for the rapid ease of access to the engine due to the effect of heat and lubricants on the durability of the sound-insulating, flexible elements on which the engine and the cover rest, and for fitting of the cover when the fixing points are at differing levels. The latter can lead to distortion of the cover. These possible disadvantages are avoided by the fixing of the internal combustion engine and cover according to the invention in that the brackets (9) for the cover (1), when fixed to the carrier supports (7) or on the foundation (7), are positioned above the engine mounting (3), in that the structure-borne sound-insulating flexible elements (6, 10) lie outside the cover and in that a sprung element (16) permits a level adjustment on at least one fixing point of the cover (1). In addition the engine mounting (3) and the fixing point for the cover (1) and internal combustion engine can be enclosed by a further sound-insulating cover (23). <IMAGE>

IPC 1-7
B60R 13/08; F02B 77/13

IPC 8 full level
B60R 13/08 (2006.01); **F02B 77/13** (2006.01)

CPC (source: EP)
F02B 77/13 (2013.01)

Cited by
CN103115569A; EP0404181A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0276738 A2 19880803; EP 0276738 A3 19890614; EP 0276738 B1 19910102; DE 3702023 A1 19880804; DE 3861324 D1 19910207

DOCDB simple family (application)
EP 88100748 A 19880120; DE 3702023 A 19870124; DE 3861324 T 19880120