

Title (en)

Low-noise engine

Title (de)

Brennkraftmaschine mit niedrigem Lärmpegel

Title (fr)

Moteur à combustion interne à bruit réduit

Publication

**EP 1270927 B1 20040602 (EN)**

Application

**EP 02022063 A 19970222**

Priority

EP 97102947 A 19970222

Abstract (en)

[origin: EP0860605A1] An engine (10) having sound absorbing members (11b,12b) capable of reducing the noise of the engine effectively, and a method of assembling an engine (10) having sound absorbing members (11b,12b) by covering a noise generating engine component (2a) with cover members (11a,11c,12a) through sound absorbing members, comprising the steps of: applying an unfoamed foaming material (31) to one or both of the inner face of the cover members (11a,11c,12a) and the component; covering the component with the cover members; heating the component to foam the foaming material thereby to expand the sound absorbing members; and assembling the integrated component with the engine body (10). <IMAGE>

IPC 1-7

**F02M 59/00**

IPC 8 full level

**F02B 77/13** (2006.01); **F02M 39/00** (2006.01); **F02M 59/00** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

**F02B 77/13** (2013.01 - EP US); **F02M 39/00** (2013.01 - EP US); **F02M 59/00** (2013.01 - EP); **F02M 63/00** (2013.01 - EP)

Citation (examination)

US 5266133 A 19931130 - HANLEY JOHN L [US], et al

Cited by

KR20220083357A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0860605 A1 19980826**; **EP 0860605 B1 20030528**; DE 69722372 D1 20030703; DE 69722372 T2 20040401; EP 1270927 A1 20030102; EP 1270927 B1 20040602

DOCDB simple family (application)

**EP 97102947 A 19970222**; DE 69722372 T 19970222; EP 02022063 A 19970222