

Title (en)  
Cover for internal combustion engines.

Title (de)  
Deckel für Brennkraftmaschinen.

Title (fr)  
Couvercle pour moteurs à combustion interne.

Publication  
**EP 0547306 B1 19950920 (DE)**

Application  
**EP 92116594 A 19920929**

Priority  
• DE 4141576 A 19911217  
• DE 4221760 A 19920702

Abstract (en)  
[origin: EP0547306A1] The invention relates to a cover for internal combustion engines with a fixing of the attached parts, such as oil sumps or valve covers, in a manner isolated from structure-borne noise. The cover (1,1',1'') has structure-borne noise-insulated sleeves (7, 7',7''), which before forming on of the rubber element (8) are connected to the cover (1,1',1'') by way of a predetermined breaking point (9). <IMAGE>

IPC 1-7  
**F02B 77/00**; F01M 11/00; F02F 7/00

IPC 8 full level  
**F02B 77/13** (2006.01); **F01M 11/00** (2006.01); **F02B 77/00** (2006.01); **F02F 7/00** (2006.01); **F16M 1/026** (2006.01)

CPC (source: EP US)  
**F01M 11/0004** (2013.01 - EP US); **F02B 77/00** (2013.01 - EP US); **F02F 7/006** (2013.01 - EP US); **F01M 2011/0054** (2013.01 - EP US); **F01M 2011/0062** (2013.01 - EP US); **F05C 2225/02** (2013.01 - EP US); **Y10T 29/49231** (2015.01 - EP US); **Y10T 29/49796** (2015.01 - EP US); **Y10T 29/49799** (2015.01 - EP US)

Cited by  
US5511518A; EP0664388A1

Designated contracting state (EPC)  
AT DE ES FR GB IT SE

DOCDB simple family (publication)  
**EP 0547306 A1 19930623**; **EP 0547306 B1 19950920**; AT E128207 T1 19951015; ES 2077318 T3 19951116; JP H05248594 A 19930924; US 5368797 A 19941129

DOCDB simple family (application)  
**EP 92116594 A 19920929**; AT 92116594 T 19920929; ES 92116594 T 19920929; JP 33165692 A 19921211; US 99050792 A 19921215