

Title (en)

Mechanical part with integrated seal

Title (de)

Bauteil mit integrierter Dichtung

Title (fr)

Pièce mécanique avec un joint d'étanchéité intégré

Publication

**EP 1617067 A2 20060118 (DE)**

Application

**EP 05010201 A 20050511**

Priority

DE 102004034235 A 20040715

Abstract (en)

The cover component (100) for an internal combustion engine has an integrated elastic seal, whereby the cover component has an encompassing flange section for the locating of the seal. The cover component has plastic material, and the seal an organic elastomer material. The cover component and seal are chemically interconnected. The flange section is L-shaped (130) in construction, and the seal by its sealing profile is installed on the sealing face of the flange section and laterally grips over the flange section so that the seal at least partially is installed on the upper flange face. An independent claim is included for a method for the manufacture of a cover component with an integrated elastic seal, and may be a rocker cover or oil sump.

IPC 8 full level

**F02F 7/00** (2006.01); **F02F 11/00** (2006.01)

CPC (source: EP US)

**F02F 7/006** (2013.01 - EP US); **F02F 11/002** (2013.01 - EP US)

Citation (applicant)

- DE 19738275 A1 19990304 - CR ELASTOMERE GMBH [DE]
- DE 4202860 A1 19930805 - GOETZE AG [DE]
- GB 1263077 A 19720209 - JOHN VICKERS AND SONS LTD

Cited by

EP2000711A3; EP2000710A3; RU2637809C2; US7574990B2; US9912095B2; WO2008014906A1; WO2007016998A1; WO2014106504A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1617067 A2 20060118**; DE 102004034235 A1 20060209; DE 102004034235 B4 20060921; US 2006012125 A1 20060119; US 2009065976 A1 20090312; US 7765976 B2 20100803; US 7771641 B2 20100810

DOCDB simple family (application)

**EP 05010201 A 20050511**; DE 102004034235 A 20040715; US 18114205 A 20050714; US 27314508 A 20081118