

Title (en)  
INTAKE AIR FILTER FOR COMBUSTION ENGINES

Publication  
**EP 0401471 B1 19920401 (DE)**

Application  
**EP 90104168 A 19900303**

Priority  
DE 3918347 A 19890606

Abstract (en)  
[origin: EP0401471A1] An intake air filter with a filter insert arranged in a housing is proposed. The housing has an untreated air inlet and an aperture for introduction of the filter insert, the filter insert having a sealing face, parallel to the plane of the aperture, which seals off the clean air side. This sealing face is applied to a sealing face arranged on a bearing part (10) with a sealing ring (19) inserted between them and the housing fixed to the bearing part. In order to prevent any shear movement on the sealing ring when attaching the housing (12) onto the bearing part, a slideway (16) is provided on the bearing part, in which a slide shoe (17) arranged on the housing engages. Also located on the housing is a spacer (20) which ensures that the housing can only be applied to the bearing part when the two sealing faces are in a correct attitude in relation to one another. <IMAGE>

IPC 1-7  
**B01D 46/24; F02M 35/02**

IPC 8 full level  
**B01D 46/24** (2006.01); **F02M 35/02** (2006.01)

CPC (source: EP US)  
**F02M 35/02** (2013.01 - EP US)

Cited by  
US5487767A; WO2009106593A1

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

DOCDB simple family (publication)  
**EP 0401471 A1 19901212; EP 0401471 B1 19920401**; AR 240505 A1 19900430; AT E74404 T1 19920415; BR 9002445 A 19910806; DE 3918347 A1 19901213; DE 3918347 C2 19920123; DE 59000075 D1 19920507; ES 2031715 T3 19921216; US 5042999 A 19910827

DOCDB simple family (application)  
**EP 90104168 A 19900303**; AR 31649390 A 19900329; AT 90104168 T 19900303; BR 9002445 A 19900521; DE 3918347 A 19890606; DE 59000075 T 19900303; ES 90104168 T 19900303; US 53314190 A 19900606