

Title (en)  
LIQUID FILTER, ESPECIALLY OIL FILTER

Title (de)  
FLÜSSIGKEITSFILTER, INSBESONDERE ÖLFILTER

Title (fr)  
FILTRE POUR LIQUIDE, NOTAMMENT FILTRE A HUILE

Publication  
**EP 1264082 A2 20021211 (DE)**

Application  
**EP 01911399 A 20010127**

Priority  
• DE 0100351 W 20010127  
• DE 10012461 A 20000315

Abstract (en)  
[origin: DE10012461A1] The oil filter (1) has an annular filter insert inside the filter, separating the clean side from the input side. The filter has a metal casing (2) with a first flange (3) for screwing it to a component with input, output and a relatively unpressurized idling line. The flange has an axial outer seal (24) for these. There is a carrier insert (23) in a recess (22) open to input, output and idling cavities.  
[origin: DE10012461A1] The oil filter (1) has an annular filter insert inside the filter, separating the clean side from the input side. The filter has a metal casing (2) with a first flange (3) for screwing it to a component with input, output and a relatively unpressurized idling line. The flange has an axial outer seal (24) for these. There is a carrier insert (23) in a recess (22) open to input, output and idling cavities.

IPC 1-7  
**F01M 11/00**

IPC 8 full level  
**F01M 5/00** (2006.01); **B01D 35/02** (2006.01); **F01M 11/00** (2006.01); **F01M 11/03** (2006.01)

CPC (source: EP US)  
**F01M 11/03** (2013.01 - EP US); **F01M 2011/033** (2013.01 - EP US)

Citation (search report)  
See references of WO 0169050A2

Cited by  
DE102008052259A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**DE 10012461 A1 20010920**; BR 0109199 A 20021210; BR 0109199 B1 20091201; DE 50101296 D1 20040212; EP 1264082 A2 20021211; EP 1264082 B1 20040107; JP 2003527952 A 20030924; JP 4800545 B2 20111026; MX PA02008660 A 20030224; US 2003019462 A1 20030130; US 6833066 B2 20041221; WO 0169050 A2 20010920; WO 0169050 A3 20011206

DOCDB simple family (application)  
**DE 10012461 A 20000315**; BR 0109199 A 20010127; DE 0100351 W 20010127; DE 50101296 T 20010127; EP 01911399 A 20010127; JP 2001567909 A 20010127; MX PA02008660 A 20010127; US 22153202 A 20020913