

Title (en)  
Filter and cooling device

Title (de)  
Filter- und Kühlvorrichtung

Title (fr)  
Dispositif de filtrage et de refroidissement

Publication  
**EP 2532848 B1 20160831 (DE)**

Application  
**EP 12170133 A 20120531**

Priority  
DE 102011076961 A 20110606

Abstract (en)  
[origin: EP2532848A2] The device (1) has a carrier (3) for mounting the device on a housing (6), particularly a crankcase of the internal combustion engine (2). An oil cooler (4) and an oil filter (5) are arranged at the carrier. A permanently open bypass channel is formed in the carrier and bypass the oil cooler. A throttle element is arranged in the bypass channel and throttles the bypass channel. The bypass channel passes into a connecting channel.

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

CPC (source: EP)  
**F01M 5/00** (2013.01); **F01M 11/03** (2013.01)

Cited by  
DE102014225068A1; DE102018119600A1; CN110821597A; DE102018119600B4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2532848 A2 20121212; EP 2532848 A3 20130605; EP 2532848 B1 20160831**; DE 102011076961 A1 20121206

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