

Title (en)

Air cleaner for an internal combustion engine

Title (de)

Luftfilter für eine Brennkraftmaschine

Title (fr)

Filtre à air pour un moteur à combustion interne

Publication

**EP 1350945 A3 20031217 (DE)**

Application

**EP 03005998 A 20030318**

Priority

- DE 10213603 A 20020327
- DE 10304028 A 20030201

Abstract (en)

[origin: EP1350945A2] The air filter for an internal combustion engine comprises an air filter element (4) installed inside a housing (1) which consists of an outside air shell (2) and a filtered air shell (3). For airborne noise radiation at least one opening (6) with perforations (7) is provided in the outside air shell or filtered air shell. The opening is covered by air penetrable and fine mesh structured fabric (8) or a thin-walled sound element. The perforations are provided in a cartridge (11) fitted in the housing wall of the outside air shell or filtered air shell.

IPC 1-7

**F02M 35/024**; **F02M 35/14**

IPC 8 full level

**B01D 46/42** (2006.01); **F02M 35/024** (2006.01); **F02M 35/14** (2006.01); **G10K 11/16** (2006.01); **G10K 11/162** (2006.01)

CPC (source: EP US)

**F02M 35/024** (2013.01 - EP US); **F02M 35/1216** (2013.01 - EP US); **F02M 35/1238** (2013.01 - EP US); **F02M 35/14** (2013.01 - EP US)

Citation (search report)

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- [A] EP 1111228 A2 20010627 - MAHLE FILTERSYSTEME GMBH [DE]
- [A] US 6009846 A 20000104 - WALKER JR ROBERT A [US]
- [A] GB 909034 A 19621024 - COOPER S MECHANICAL JOINTS LTD
- [A] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 05 3 May 2002 (2002-05-03)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06 30 June 1997 (1997-06-30)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1350945 A2 20031008**; **EP 1350945 A3 20031217**; **EP 1350945 B1 20080611**; DE 50309968 D1 20080724; JP 2003328884 A 20031119; US 2004011011 A1 20040122; US 6881237 B2 20050419

DOCDB simple family (application)

**EP 03005998 A 20030318**; DE 50309968 T 20030318; JP 2003088102 A 20030327; US 39671503 A 20030326