

Title (en)

Filtering device for intake air of an engine for a vehicle

Title (de)

Filtereinrichtung für die Ansaugluft eines Fahrzeugmotors

Title (fr)

Dispositif de filtration d'air d'aspiration d'un moteur pour un véhicule

Publication

EP 2275664 A1 20110119 (EN)

Application

EP 10166231 A 20100616

Priority

IT BO20090390 A 20090617

Abstract (en)

Filtering device (9) for the air taken in by the engine (4) of a vehicle (1) which is housed inside the engine compartment (2) of said vehicle (1); the filtering device (9) comprises: an air-box (10) internally comprising at least one cavity (11) having at least one intake opening (12) towards the external environment and at least one outlet opening (13) towards a suction system (5) of the engine (4); and at least one filtering element (14) housed inside the air-box (10) and arranged between the intake opening (12) and the outlet opening (13); the air-box (10) having a flattened form which reproduces in plan view the horizontal section of the engine compartment (2), and being suitable to be located inside said engine compartment (2) above the engine (4), so that it constitutes an upper cover of the engine (4) and an upper closure of the engine compartment (2).

IPC 8 full level

F02M 35/04 (2006.01); **F02M 35/16** (2006.01)

CPC (source: EP)

F02M 35/04 (2013.01); **F02M 35/161** (2013.01)

Citation (applicant)

- WO 2007131497 A1 20071122 - MONTAPLAST GMBH [DE], et al
- EP 1308373 A1 20030507 - DI CAMILLO DARIO [IT]

Citation (search report)

- [Y] US 6251151 B1 20010626 - KOBAYASHI KOKI [JP], et al
- [A] WO 2007131497 A1 20071122 - MONTAPLAST GMBH [DE], et al
- [A] EP 1308373 A1 20030507 - DI CAMILLO DARIO [IT]
- [A] DE 10063778 A1 20020912 - OPEL ADAM AG [DE]
- [A] FR 2806999 A1 20011005 - SOLVAY [BE]
- [A] US 3864109 A 19750204 - HANSEN ERIK J
- [A] EP 1745968 A2 20070124 - PORSCHE AG [DE]
- [Y] DWORSCHAK, NEUHAUSER, RECHBERGER, STASTNY: "Der neue Sechszylinder-Dieselmotor von BMW", MTZ, vol. 70, February 2009 (2009-02-01), pages 108 - 115, XP002570855

Cited by

EP2860384A1; FR3015389A1; FR3015390A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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