

Title (en)

Suction device of engine for a vehicle

Title (de)

Ansaugsystem für eine Brennkraftmaschine

Title (fr)

Système d'admission pour moteur

Publication

EP 1645748 A1 20060412 (DE)

Application

EP 05020204 A 20050916

Priority

DE 102004049273 A 20041009

Abstract (en)

The suction system of internal combustion engine has raw air side (10), which discharges raw air into air filters (6) through raw air pipe (5) and the clean air side (11) of the air filter provides the clean air to the internal combustion engine through clean air pipe (11). Outgoing auxiliary pipe (12) from the engine compartment is tapered towards the direction of clean air side of air filter. The raw airside from the internal combustion engine flows to the surrounding of engine compartment. An independent claim is also include for motor vehicle.

IPC 8 full level

F02M 35/14 (2006.01)

CPC (source: EP US)

F02M 35/04 (2013.01 - EP US); **F02M 35/10118** (2013.01 - EP US); **F02M 35/1294** (2013.01 - EP US); **F02M 35/14** (2013.01 - EP US); **F02M 35/161** (2013.01 - EP US)

Citation (search report)

- [Y] US 5400753 A 19950328 - ANDRESS HEINZ [DE], et al
- [Y] US 4930472 A 19900605 - OZAKI TADAYUKI [JP]
- [Y] EP 1111228 A2 20010627 - MAHLE FILTERSYSTEME GMBH [DE]
- [Y] US 3835956 A 19740917 - KISHIRA N
- [Y] DE 4439704 A1 19960509 - GILLET HEINRICH GMBH [DE]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02 30 January 1998 (1998-01-30)

Cited by

EP2071173A2; DE202007017610U1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1645748 A1 20060412; DE 102004049273 A1 20060413; US 2006075988 A1 20060413

DOCDB simple family (application)

EP 05020204 A 20050916; DE 102004049273 A 20041009; US 24594205 A 20051007