

Title (en)
Air cleaner structure for vehicle

Title (de)
Luftfiltervorrichtung für ein Fahrzeug

Title (fr)
Filtre à air pour un véhicule

Publication
EP 1683959 B1 20071114 (EN)

Application
EP 05026458 A 20051205

Priority
JP 2005004066 A 20050111

Abstract (en)
[origin: EP1683959A1] To lower the total height of a vehicle body by lowering an air cleaner as much as possible, which air cleaner is disposed above a bank valley in a V-type engine. An air cleaner 20 is disposed above a bank valley 39 formed by front and rear cylinders 23 and 24 of a V-type engine 10. Throttle bodies 35 and 37 are disposed in the bank valley 39, and the upper ends thereof are connected to first and second funnels 33 and 34 obliquely positioned in the air cleaner 20. In an air cleaner box 30 constituted of upper and lower cases 31 and 32, a filter element 22 is disposed so as to overlap the first funnel 33 in a side view, and an air intake duct 21 connected to the filter element 22 is extended to a point above the front cylinder 23 from the front side of the bottom of the lower case 32, and is allowed to open forward.

IPC 8 full level
F02M 35/116 (2006.01); **B01D 27/00** (2006.01); **B01D 27/08** (2006.01); **B62J 99/00** (2009.01); **F02M 35/00** (2006.01); **F02M 35/04** (2006.01)

CPC (source: EP)
F02M 35/024 (2013.01); **F02M 35/10039** (2013.01); **F02M 35/116** (2013.01); **F02M 35/162** (2013.01)

Designated contracting state (EPC)
DE ES IT

DOCDB simple family (publication)
EP 1683959 A1 20060726; **EP 1683959 B1 20071114**; DE 602005003324 D1 20071227; DE 602005003324 T2 20080911; ES 2296052 T3 20080416; JP 2006194101 A 20060727; JP 4488422 B2 20100623

DOCDB simple family (application)
EP 05026458 A 20051205; DE 602005003324 T 20051205; ES 05026458 T 20051205; JP 2005004066 A 20050111