

Title (en)

Multi-cylinder internal combustion engine for vehicles

Title (de)

Mehrzylinder-Brennkraftmaschine für Fahrzeuge

Title (fr)

Moteur à combustion interne comportant plusieurs cylindres

Publication

EP 1741918 A1 20070110 (DE)

Application

EP 06010353 A 20060519

Priority

DE 102005030252 A 20050629

Abstract (en)

The engine (2) has several air tubes (3, 4, 5, 6) leading to the cylinders, and an engine control apparatus for it in a housing. The air tubes are combined in a single unit, on the outside of which the motor control apparatus housing is fitted so that the underside (8) of it forms the lower part and also forms part of the air tubes.

IPC 8 full level

F02M 35/10 (2006.01); **F02M 35/104** (2006.01)

CPC (source: EP US)

F02M 35/10249 (2013.01 - EP US); **F02M 35/112** (2013.01 - EP US); **F02M 35/10268** (2013.01 - EP US)

Citation (search report)

- [X] US 2002179025 A1 20021205 - GLOVATSKY ANDREW Z [US]
- [A] US 5713322 A 19980203 - MAUSNER EBERHARD [DE], et al
- [A] JP H04203437 A 19920724 - HITACHI LTD, et al
- [A] US 6357414 B1 20020319 - KALINOWSKI PAWEL [US], et al
- [DA] EP 0674100 A1 19950927 - MAGNETI MARELLI SPA [IT]
- [DA] DE 4403219 A1 19950810 - DAIMLER BENZ AG [DE]

Designated contracting state (EPC)

DE ES FR GB IT SE

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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