

Title (en)

Internal combustion engine with compact intake system

Title (de)

Brennkraftmaschine mit einer kompakten Ansaugeneinrichtung

Title (fr)

Moteur à combustion interne comportant un circuit d'admission d'air compact

Publication

**EP 0931926 B1 20030813 (FR)**

Application

**EP 99400144 A 19990122**

Priority

FR 9800701 A 19980123

Abstract (en)

[origin: EP0931926A1] The engine's air intake system, incorporating an inlet manifold (23) with a distribution chamber and separate ducts, has the manifold, butterfly valve housing (30) and air filter (50) positioned above its cylinder head cover (1). The front and rear ends of the butterfly valve housing are fitted directly and with seals (32, 31) into corresponding apertures in the air filter and inlet manifold.

IPC 1-7

**F02M 35/10**; **F02M 35/104**

IPC 8 full level

**F02F 7/00** (2006.01); **F02M 35/10** (2006.01); **F02M 35/104** (2006.01)

CPC (source: EP)

**F02F 7/006** (2013.01); **F02M 35/10052** (2013.01); **F02M 35/10222** (2013.01); **F02M 35/10255** (2013.01); **F02M 35/10288** (2013.01); **F02M 35/112** (2013.01); **F02M 35/02** (2013.01)

Cited by

US6892713B2; FR2920486A1; EP1338786A1; DE202012009863U1; FR2924171A1; US7178504B2; US6863044B2; WO2005017341A1; WO2009068487A1

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