

Title (en)

Supercharged diesel engine with Common-Rail injection

Title (de)

Aufgeladene Dieselmotormaschine mit einer Common-Rail-Einspritzanlage

Title (fr)

Moteur suralimenté à diesel avec un système d'injection Common-Rail

Publication

EP 1674711 B1 20070418 (DE)

Application

EP 05025147 A 20051117

Priority

DE 102004058350 A 20041203

Abstract (en)

[origin: EP1674711A1] A second chamber (6) has a first passage through which a high-pressure fuel line and a high-pressure fuel reservoir (7) communicate with one another, and a second passage through which fuel injection lines and fuel connections of a cylinder head (3) communicate. A lid (12) encloses the high-pressure fuel reservoir, fuel injection lines and fuel connections such that when leakage occurs, lid allows leaking fuel to flow into the second chamber. At least one charged air conduit (4) for distributing charged air includes a first chamber (5) for conveying charged air, and second chamber with a removable lid. Air inlet openings of at least one cylinder head are connected to the first chamber in a gastight manner. A high-pressure fuel reservoir is secured in the second chamber via mounting straps.

IPC 8 full level

F02M 35/10 (2006.01)

CPC (source: EP US)

F02M 35/10144 (2013.01 - EP US); **F02M 35/10216** (2013.01 - EP US)

Cited by

ITBZ20120012A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 1674711 A1 20060628; **EP 1674711 B1 20070418**; DE 102004058350 A1 20060614; DE 502005000610 D1 20070531; US 2006118088 A1 20060608; US 7370639 B2 20080513

DOCDB simple family (application)

EP 05025147 A 20051117; DE 102004058350 A 20041203; DE 502005000610 T 20051117; US 29353105 A 20051202