

Title (en)  
Diesel engine

Title (de)  
Dieselmotor

Title (fr)  
Moteur diesel

Publication  
**EP 0851101 B1 20020710 (DE)**

Application  
**EP 96810903 A 19961224**

Priority  
EP 96810903 A 19961224

Abstract (en)  
[origin: EP0851101A1] The engine comprises a piston (20) which works in a cylinder-liner (21). At the bottom end of the liner is a slide (24) working with it to form a valve. This moves with the piston away from the liner so as to form with the latter an annular inlet port (210) for scavenging air to the cylinder (22). The port shuts again with upward movement of the piston towards the top dead-centre position. The slide can be driven to and fro by the piston, while a first spring and-or damper unit is mounted between piston and slide. Further spring and-or damper units (207) aid, restrict and-or damp movement of the slide.

IPC 1-7  
**F01L 5/06**; F01L 5/20

IPC 8 full level  
**F01L 5/06** (2006.01); **F01L 5/20** (2006.01); **F02B 25/04** (2006.01); **F02B 25/20** (2006.01); **F02F 1/22** (2006.01); **F02B 3/06** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)  
**F01L 5/06** (2013.01); **F01L 5/20** (2013.01); **F02F 1/22** (2013.01); **F02B 3/06** (2013.01); **F02B 2075/025** (2013.01); **F02F 2007/0097** (2013.01)

Cited by  
DE102013008790A1; EP1867860A1; EP0965738A1; EP0965739A3; EP3037639A3; CN105715357A; EP4166766A1; CN110352294A; EP3594469A4; WO2013185802A1; WO2019012285A1

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