

Title (en)

Internal combustion engine with pilot injection

Title (de)

Brennkraftmaschine mit Voreinspritzung

Title (fr)

Moteur à combustion interne, à injection pilotée de carburant

Publication

EP 0805266 B1 20011114 (FR)

Application

EP 97400943 A 19970425

Priority

- FR 9605580 A 19960503
- FR 9606012 A 19960514

Abstract (en)

[origin: EP0805266A1] The engine has at least one combustion chamber with direct fuel injection and an exhaust duct which is closed cyclically by a valve. It incorporates a valve (7) designed to prevent excessive pressure in the combustion chamber. The valve is linked to an exhaust duct and opening automatically when the pressure in the chamber exceeds a set level. The pressure relief valve consists of a spring-loaded ball (8) located in a channel (9) in the engine's cylinder head which connects the combustion chamber to the exhaust duct. In a variant of the design a pre-heater plug in the cylinder head can play the part of the relief valve, being expelled when the pressure exceeds the set value.

IPC 1-7

F02B 77/08

IPC 8 full level

F02B 77/08 (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

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Cited by

GB2359589A; GB2359589B; GB2329677A; FR2769047A1; GB2329677B; US6098596A; WO0163107A1

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