

Title (en)  
Diesel engine.

Title (de)  
Dieselmotor.

Title (fr)  
Moteur Diesel.

Publication  
**EP 0461342 B1 19940921 (DE)**

Application  
**EP 91102476 A 19910221**

Priority  
DE 4018485 A 19900609

Abstract (en)  
[origin: EP0461342A1] Diesel engine with at least one inlet and one exhaust valve and an additional throttle valve (9) per cylinder for the engine braking function, which is incorporated at an inclined angle in the cylinder head (1). In order to reduce the dead space as far as possible with a view to obtaining good engine values on the one hand and improving the flow from the combustion chamber into the gas exhaust duct on the other, it is proposed to bring the valve seat (7) forward to the plane of the cylinder head base (2) and to adapt the form of a trough (14) recessed for the projection of the throttle valve (9) to the displacement element (11) arranged on the valve disc (11) in such a way that at the maximum valve lift of the throttle valve and with the piston in the TDC position the trough (14) is as far as possible filled. <IMAGE>

IPC 1-7  
**F01L 13/06**; F01L 3/22; F02D 9/06

IPC 8 full level  
**F01L 3/22** (2006.01); **F01L 13/06** (2006.01); **F02D 9/06** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)  
**F01L 3/22** (2013.01); **F01L 13/06** (2013.01); **F02B 3/06** (2013.01)

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DE ES FR GB IT NL SE

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