

Publication

EP 0730090 A3 19961016 (DE)

Application

EP 95115298 A 19950928

Priority

DE 19507171 A 19950302

Abstract (en)

[origin: EP0730090A2] The valve has a valve member (5) moving axially in a boring (3) in a valve body (1). The conical valve seal surface (7) meets a conical valve seat surface (9) on the boring connecting to a dead-end cavity (21) on the combustion chamber side. There is a pressure space (15) between the valve member and the boring wall. The injection channel (23) is downstream of the valve seat in the inner wall of the injection valve. The intake zones of the injection channel are rounded. The upper intake zone has a rounding (RA) of greater radius and the lower zone has a rounding of smaller radius. The greater radius is 0.75-1.5 times the dia. (D) of the injection channel, and the lesser one is 0.2-1.0 of the same.

IPC 1-7

F02M 61/18

IPC 8 full level

F02M 61/18 (2006.01)

CPC (source: EP US)

F02M 61/1846 (2013.01 - EP US)

Citation (search report)

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- [Y] EP 0352926 A1 19900131 - LUCAS IND PLC [GB]
- [Y] FR 2352957 A1 19771223 - SULZER AG [CH]
- [A] US 4578164 A 19860325 - MATSUI YUKIO [JP], et al
- [A] US 4069978 A 19780124 - EL MOUSSA WADID

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Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

DE 19507171 C1 19960814; EP 0730090 A2 19960904; EP 0730090 A3 19961016; JP H08247001 A 19960924; US 5875973 A 19990302

DOCDB simple family (application)

DE 19507171 A 19950302; EP 95115298 A 19950928; JP 4133796 A 19960228; US 60932996 A 19960301