

Title (en)  
DELIVERY VALVE

Publication  
**EP 0163078 B1 19880629 (DE)**

Application  
**EP 85104323 A 19850410**

Priority  
DE 3417210 A 19840510

Abstract (en)  
[origin: US4648369A] A pressure valve is proposed which is installed in the supply line which leads from a fuel injection pump to a fuel injection valve. The pressure valve has a return-feed collar provided with a throttle connection and a relief conduit is provided parallel to the return-feed collar and to the valve closing member sealing face. Via a check valve and a throttle, the relief conduit establishes the communication between the supply line toward the injection pump and the supply line toward the injection valve. By means of the combination of the return-feed collar having a throttle with a check valve acting as a pressure maintenance valve, a desired residual pressure can be established in an adapted manner in the supply line toward the injection valve, and the injection duration in particular can be adapted to the requirements of a fuel injection pump which pumps at a reduced feed rate during idling operation.

IPC 1-7  
**F02M 59/46**

IPC 8 full level  
**F02M 59/46** (2006.01)

CPC (source: EP KR US)  
**F02M 55/02** (2013.01 - KR); **F02M 59/462** (2013.01 - EP US); **Y10T 137/7774** (2015.04 - EP US)

Cited by  
EP0325211A1; FR2607554A1; EP2011998A3; EP2495431A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0163078 A1 19851204; EP 0163078 B1 19880629**; BR 8502199 A 19860107; DE 3417210 A1 19851114; DE 3563553 D1 19880804; JP S60247049 A 19851206; KR 850008704 A 19851221; KR 930010661 B1 19931105; SU 1489583 A3 19890623; US 4648369 A 19870310

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