

Title (en)  
FUEL INJECTION PUMP

Publication  
**EP 0214115 B1 19880323 (DE)**

Application  
**EP 86890209 A 19860715**

Priority  
AT 211885 A 19850717

Abstract (en)  
[origin: EP0214115A1] 1. A fuel injection pump for internal combustion engines, having a cylinder barrel (1) which receives a pump plunger and which comprises at least one return flow bore (2) controlled by the pump plunger and is surrounded in the region of the return-flow bore (2) by a rotatable deflector ring (5), the end face of which remote from the spring chamber (14) is supported against a shoulder (7) and which with an approximately cylindrical wall portion embraces an annular space which is connected to a return-flow chamber (4) by way of at least one throughflow bore (6), characterized in that the end face of the deflector ring (5) facing the spring chamber (14) is supported against at least two intermediate sleeves (9, 10), which are arranged between the cylinder barrel (1) and the pump casing (3) and between the end faces of which at least one deformable sealing ring (13) is pressed and of which the intermediate sleeve (10) facing the spring chamber (14) is supported against a circlip (12), while the intermediate sleeve (9) remote from the spring chamber (14) forms the support for the deflector ring (5).

IPC 1-7  
**F02M 55/00**; **F02M 59/44**; **F02M 59/48**

IPC 8 full level  
**F02M 55/00** (2006.01); **F02M 59/44** (2006.01); **F02M 59/48** (2006.01)

CPC (source: EP)  
**F02M 55/001** (2013.01); **F02M 59/44** (2013.01); **F02M 59/442** (2013.01); **F02M 59/485** (2013.01)

Citation (examination)  
EP 0153919 A1 19850904 - FRIEDMANN & MAIER AG [AT]

Cited by  
CN106026813A; US7415973B2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0214115 A1 19870311**; **EP 0214115 B1 19880323**; AT 391350 B 19900925; AT A211885 A 19900315; DE 3660107 D1 19880428

DOCDB simple family (application)  
**EP 86890209 A 19860715**; AT 211885 A 19850717; DE 3660107 T 19860715