

Title (en)
FUEL PUMP FOR AN INJECTION ENGINE AND PROCESS FOR PRODUCING IT

Publication
EP 0261102 B1 19891011 (DE)

Application
EP 87890211 A 19870910

Priority
AT 244186 A 19860910

Abstract (en)
[origin: EP0261102A1] 1. Fuel injection pump for injection internal combustion engines with at least one pump element, wherein an intermediated part (7), which contains the feed duct (6) for the fuel conveyed by the pump piston (3) and the pressure valve seat, is pressed sealingly against the pump piston bushing (2) with the intermediary of the pressure valve housing (8) ; and wherein the intermediate part (7) has a hollow cone shaped support surface (12) which is constructed co-axial with the pump piston bushing (2) as a sealing surface, against which is supported a conical surface (11) of the pump piston bushing (2) which is co-axial with the pump piston bushing (2), characterised in that the hollow cone shaped support surface (12) of the intermediate part (7) and the conical surface (11) of the pump piston bushing (2) is in each case surrounded by a plane sealing surface (13, 14) which is co-axial with the pump piston bushing (2) and which stands perpendicular to the pump piston bushing axis, and in that the sealing surfaces (13, 14) of the intermediate part (7) and of the pump piston bushing (2) are so dimensioned that in the assembled but non-clamped-together state, a gap exists between the plane sealing surfaces (13, 14), and in the clamped-together state the plane sealing surfaces (13, 14) lie upon one another.

IPC 1-7
F02M 59/48

IPC 8 full level
F02M 59/48 (2006.01)

CPC (source: EP)
F02M 59/485 (2013.01)

Cited by
IT201600071714A1; EP2278163A1; CN102575667A; CN111790907A; US9518546B2; WO2015052083A1; WO2011009839A1

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