

Title (en)
PUMP ELEMENT OF A FUEL PUMP FOR AN INJECTION COMBUSTION ENGINE

Publication
EP 0263807 B1 19900110 (DE)

Application
EP 87890209 A 19870910

Priority
AT 243986 A 19860910

Abstract (en)
[origin: EP0263807A1] 1. Pump element of a fuel injection pump for injection-type internal combustion engines in which the pump cylinder lining (4) has at least one suction and overflow bore (7) over which control edges (11, 12, 17) of the pump piston (2) slide and the end of delivery is determined by regulation of the suction and overflow bore (7), the start of delivery being determined by a control edge (17) disposed in the region of the face of the piston and the end of delivery being determined by at least one, especially oblique, control edge (11, 12) disposed on the piston skirt, characterised in that, of bores (7, 8) in the pump cylinder lining (4) which function together with the control edge(s) (11, 12) determining the end of delivery at least one bore (8) is closed off from the suction area and at least one bore (7) opens into the suction area, the bore (8) which is closed off from the suction area (9) being regulated at the end of delivery by the control edge (12) approximately simultaneously with the regulation of the bore (7) which opens out into the suction area by the control edge (11) and being capable of being connected with the bore opening (7) into the suction area (9) via a channel connection (1, 16) provided on the side of the control edge (11, 12) controlling the end of delivery which faces the face (17) of the piston.

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F02M 55/00; F02M 59/44

IPC 8 full level
F02M 55/00 (2006.01)

CPC (source: EP)
F02M 55/001 (2013.01)

Cited by
JP2013151901A; DE4304084A1; EP0444256A1; GB2320065A; US5887790A; GB2320065B

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