

Title (en)

Fuel injection pump for internal combustion engine.

Title (de)

Kraftstoffeinspritzpumpe für Brennkraftmaschinen.

Title (fr)

Pompe d'injection de carburant pour moteurs à combustion interne.

Publication

EP 0480173 B1 19941228 (DE)

Application

EP 91114895 A 19910904

Priority

DE 9014068 U 19901010

Abstract (en)

[origin: EP0480173A1] The fuel injection pump has a pump piston (13) working in a cylinder bore (10), which piston is driven by a cam drive (14) in both a reciprocating and a rotating motion. The cam drive (14) comprises a rotating cam plate (17) coupled to a drive shaft (16) and a fixed roller ring (18), on the rollers (20) of which the cam plate is supported. The roller ring (18) is locked by a bolt (30), engaging radially in this, which bolt on the other side is supported in a radial bore (32) in a sliding block (33). The sliding block (33) is displaceable along its longitudinal axis in a longitudinal slot (36) in the inside of the pump housing (11) but arranged tangentially to the roller ring (18) with little play. <IMAGE>

IPC 1-7

F02M 41/12

IPC 8 full level

F02D 1/18 (2006.01); **F02M 41/12** (2006.01)

CPC (source: EP)

F02M 41/121 (2013.01); **F02M 41/125** (2013.01)

Cited by

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EP 91114895 A 19910904; DE 59104054 T 19910904; DE 9014068 U 19901010; ES 91114895 T 19910904; JP 25323391 A 19911001