

Title (en)  
FUEL INJECTION PUMP FOR INTERNAL-COMBUSTION ENGINES

Publication  
**EP 0203374 B1 19900131 (DE)**

Application  
**EP 86105622 A 19860423**

Priority  
DE 8515957 U 19850531

Abstract (en)  
[origin: EP0203374A1] 1. Fuel injection pump for internal-combustion engines, with a pump piston moving to and fro and simultaneously rotating, with a camplate (22) connected to the pump piston (2) fixedly in terms of rotation and lift and running on rollers of a roller ring (27), with an axially fixed drive shaft (14) and with a take-up member (18) which connects the drive shaft (14) fixedly in terms of rotation to the camplate and which engages into axial drive connections arranged offset relative to one another on the mutually confronting end faces of the drive shaft and camplate, characterized in that the take-up member is designed as a cross-coupling piece (18), with a groove (16)/web (17)/plug connection as a drive connection, in which a take-up web (17) or a groove (20) on the cross-coupling piece (18) engages into a groove (16) or a take-up web (21) of corresponding width on the end of the drive shaft (24) or camplate (22), and in that the cross-coupling piece (18) is fixed axially via a collar (19) which engages between the roller ring (27) and a toothed-rim ring (29) connected fixedly in terms of rotation to the drive shaft (14).

IPC 1-7  
**F02M 41/12**

IPC 8 full level  
**F02M 39/02** (2006.01); **F02M 41/12** (2006.01)

CPC (source: EP)  
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Citation (examination)  
Bosch, "Technische Unterrichtung", "Verteilereinspritzpumpe Typ VE", 1983, S.4,8,9

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