

Title (en)

HIGH PRESSURE PUMP, IN PARTICULAR FOR A FUEL INJECTION DEVICE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

HOCHDRUCKPUMPE, INSBESONDERE FÜR EINE KRAFTSTOFFEINSPRITZEINRICHTUNG EINER BRENNKRAFTMASCHINE

Title (fr)

POMPE HAUTE PRESSION UTILISEE EN PARTICULIER POUR UN DISPOSITIF D'INJECTION DU CARBURANT D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1931875 A1 20080618 (DE)**

Application

**EP 06793348 A 20060908**

Priority

- EP 2006066162 W 20060908
- DE 102005046670 A 20050929

Abstract (en)

[origin: DE102005046670A1] The pump has a pump piston (20) that is indirectly supported in a drive shaft by a hollow cylindrical tappet (40). The tappet is displaceably guided in a bore (42) of a part of a base plate (14) in a direction of the longitudinal axis (21) of the piston. The tappet has a groove (56) running in the direction of a longitudinal axis (41) of the tappet. A ball (58) is indirectly fixed in a part of the plate in a tangential direction to the tappet and is engaged in the groove approximately radial to the longitudinal axis (41). A rolling friction exists between the ball and the tappet.

IPC 8 full level

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CPC (source: EP)

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