

Title (en)

HIGH-PRESSURE PUMP FOR A FUEL-INJECTION DEVICE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

HOCHDRUCKPUMPE FÜR EINE KRAFTSTOFFEINSPRITZEINRICHTUNG EINER BRENNKRAFTMASCHINE

Title (fr)

POMPE HAUTE PRESSION POUR DISPOSITIF D'INJECTION DE CARBURANT D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1658433 B1 20080326 (DE)**

Application

**EP 04738752 A 20040622**

Priority

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Abstract (en)

[origin: WO2005026541A1] The invention relates to a high-pressure pump comprising a rotary drive shaft (12) with a shaft section (26) that is eccentric in relation to its rotational axis (13) and on which a ring (28) is rotatably mounted. The high-pressure pump comprises at least one pump element (32). The latter is equipped with a pump plunger (34) that indirectly performs a stroke displacement by means of the drive shaft (12) using the ring (28) and that rests at least indirectly against the ring (28). The ring (28) is provided with a coating (56) of anti-friction lacquer, at least on the exterior surface facing away from the shaft section (26) and at least in a region (29), in which the pump plunger(s) (34) lie(s) at least indirectly against said ring (28).

IPC 8 full level

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