

Title (en)

RADIAL PISTON PUMP WITH A ROLLER PLUNGER

Title (de)

RADIALKOLBENPUMPE MIT ROLLENSTÖßEL

Title (fr)

POMPE A PISTONS RADIAUX COMPRENANT UN POUSSOIR A GALET

Publication

**EP 1797320 A1 20070620 (DE)**

Application

**EP 05774194 A 20050727**

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Abstract (en)

[origin: WO2006037673A1] The invention relates to a radial piston pump, comprising a pump housing (1) and at least one pump unit (2) comprising a pump piston (3) and a cylinder (4) wherein the pump piston (3) can be mounted such that it can be moved backwards and forth, wherein the pump unit (2) can be driven by means of a camshaft (5) mounted in the pump housing (1); and a roller plunger (6) is arranged between the camshaft (5) and the pump unit (2), consisting of a plunger (7) and a roller (8), wherein the plunger has a guide area (9) which is used to guide it a first slot-shaped guide groove (10) of the cylinder insert (4). The roller plunger (6) is thus reliably prevented from rotating inside the cylinder insert (4). Said radial piston pumps are particularly suited for high rotational speeds occurring in high-pressure fuel pumps.

IPC 8 full level

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