

Title (en)

RADIAL PISTON PUMP FOR SUPPLYING FUEL AT HIGH PRESSURE TO AN INTERNAL COMBUSTION ENGINE

Title (de)

RADIALKOLBENPUMPE ZUR KRAFTSTOFF-HOCHDRUCKVERSORGUNG BEI EINER BRENNKRAFTMASCHINE

Title (fr)

POMPE À PISTON RADIAL POUR L'ALIMENTATION HAUTE PRESSION EN CARBURANT D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2007986 A1 20081231 (DE)

Application

EP 07727914 A 20070410

Priority

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Abstract (en)

[origin: WO2007116048A1] The invention relates to a radial piston pump (1) for supplying fuel at high-pressure to an internal combustion engine, comprising a displacement housing (3) equipped with a compression chamber (4), a reciprocating piston which is arranged in a cylinder chamber (5) of a cylinder (30), a suction valve (10) which is connected to a fuel supply line (8) and a pressure valve (12) which is connected to a fuel outlet line (14). Said suction valve (10) and the pressure valve (12) comprise, respectively, a closing head (16, 16'), a valve seat (18, 18'), a cylinder section (20, 20') and springs (22, 22'). The suction valve (10) and the pressure valve (12) are identical components and the pressure valve (12) is incorporated into the radial piston pump (1) in the direction of flow counter to the suction valve (10).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2007116048A1

Citation (examination)

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