

Title (en)
RADIAL PISTON PUMP

Title (de)
RADIALKOLBENPUMPE MIT DICHUNG AM ANTRIEBSWELLENENDE ZUR FLUIDDICHTEN KAPSELUNG DES PUMPENRAUMES

Title (fr)
POMPE A PISTONS RADIAUX

Publication
EP 0991863 B1 20021120 (DE)

Application
EP 98936190 A 19980617

Priority
• DE 9801646 W 19980617
• DE 19725565 A 19970617

Abstract (en)
[origin: DE19826961A1] Rotary motion of a drive shaft (10) is converted by an eccentric member (20), on the end of the shaft, to radial motion of a feed member (50) of a feed unit (2) in a radial piston pump particularly used as fuel pump in a motor vehicle. An eccentric-side (36,38) seal member is arranged to slide in the peripheral direction of the eccentric member, while a housing-side (28,33) seal member is in a fluid-tight location on the pump housing (4). The drive shaft is mounted in the pump housing on a shaft bearing (18). Preferably an orbital motion is provided between the housing-side and eccentric-side sealing members.

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F04B 1/04

IPC 8 full level
F02M 59/06 (2006.01); **F02M 59/44** (2006.01); **F04B 1/04** (2006.01); **F04B 1/047** (2006.01); **F04B 1/053** (2006.01); **F04B 9/04** (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP KR US)
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DE 19826961 A1 19981224; BR 9810179 A 20011127; DE 59806362 D1 20030102; EP 0991863 A1 20000412; EP 0991863 B1 20021120; JP 2002508821 A 20020319; KR 20010013938 A 20010226; US 6328537 B1 20011211; WO 9858171 A1 19981223; WO 9858172 A1 19981223

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