

Title (en)
Axial piston pump

Title (de)
Axialkolbenpumpe

Title (fr)
Pompe à pistons axiaux

Publication
EP 1074734 B1 20040901 (DE)

Application
EP 00112276 A 20000608

Priority
DE 19936662 A 19990804

Abstract (en)
[origin: EP1074734A2] The pump has a drive plate (5) supported on an electric motor bearing ring (7) via roller bearings (6). A wobble plate (8) is supported on the drive plate via roller bearings (9). Pairs of spring-loaded pistons (10) are supported on the wobble plate. A cylinder part (11) is set in the pump housing (12) to clamp a valve plate between the housing and cylinder part. Connecting channels (14) in the valve plate for vacuum and pressure channels (15,16) with non-return valves (17,18).

IPC 1-7
F04B 1/14; **F04B 1/18**; **F04B 17/03**

IPC 8 full level
F04B 1/16 (2006.01); **C08L 53/02** (2006.01); **F04B 1/02** (2006.01); **F04B 1/14** (2006.01); **F04B 1/18** (2006.01); **F04B 17/03** (2006.01); **F04B 53/10** (2006.01); **F04B 53/14** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)
F04B 1/145 (2013.01); **F04B 1/148** (2013.01); **F04B 1/18** (2013.01); **F04B 17/03** (2013.01)

Cited by
EP1293663A3; CN102913409A; CN105156291A; FR2825122A1; WO2007140946A1; WO2006066678A1; WO2006122642A1; US7004729B2; WO02095229A1; WO2023057170A1

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