

Title (en)
Swash plate axial piston pump

Title (de)
Taumelscheiben-Axialkolbenpumpe

Title (fr)
Pompe à pistons axiaux à disque oblique rotatif

Publication
EP 1452733 B1 20060712 (EN)

Application
EP 04003510 A 20040217

Priority
IT PD20030013 U 20030225

Abstract (en)
[origin: EP1452733A1] An oscillating swash plate (10) for an axial piston pump (11), comprising a rotating disk-like body (10a) with an annular seat inclined with respect to the rotation axis (15) of the disk-like body (10a) and on which can be accommodated sliding elements (16, 17) for the heads (19) of the axial pistons (20), a toothed circumferential portion (21) monolithic with the body (10a) that is coaxial to the rotation axis (15) and can be coupled kinematically to a gear (22) of the pump, the pump (11) being functionally connected to a motor (30). <IMAGE>

IPC 8 full level
F04B 1/14 (2006.01); **F04B 1/12** (2006.01)

CPC (source: EP US)
F04B 1/128 (2013.01 - EP US); **F04B 1/146** (2013.01 - EP US); **F05C 2225/00** (2013.01 - EP US)

Cited by
EA013765B1; US8348631B2; WO2007112837A1; WO2007028687A1

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