

Title (en)
Axial piston machine

Title (de)
Axialkolbenmaschine

Title (fr)
Machine à piston axial

Publication
EP 2050957 B1 20120620 (DE)

Application
EP 08014003 A 20080805

Priority
DE 102007049393 A 20071015

Abstract (en)
[origin: EP2050957A1] The machine i.e. swashplate machine (1), has a cylinder drum (3) provided with cylinder bores (4) for mounting a piston (5), such that the piston is longitudinally displaced. The piston is supported by a sliding shoe (7) on a swashplate (8), where the shoe is provided in a functional connection with a retaining device (16) i.e. retaining plate (15), that rotates synchronously with the drum. The shoe is provided in the functional connection with a moment generating device (25) for generating an opposing moment on the shoe, where the opposing moment counteracts a tipping moment.

IPC 8 full level
F04B 1/12 (2006.01); **F04B 1/20** (2006.01)

CPC (source: EP US)
F04B 1/124 (2013.01 - EP US); **F04B 1/126** (2013.01 - EP US); **F04B 1/20** (2013.01 - EP US)

Cited by
CN109236597A; CN102926959A; EP2418381A1; CN102575666A; EP2930360A3; DE102012218982A1; US10001010B2; WO2014206713A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
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EP 08014003 A 20080805; DE 102007049393 A 20071015; JP 2008266151 A 20081015; US 24123708 A 20080930