

Title (en)
AXIAL PISTON MACHINE HAVING A HYDROSTATICALLY MOUNTED CRADLE JOURNAL

Title (de)
AXIALKOLBENMASCHINE MIT HYDROSTATISCH GELAGERTEM WIEGENZAPFEN

Title (fr)
MACHINE A PISTON AXIAL MUNIE D'UN TENON DE PESAGE A SUSPENSION HYDROSTATIQUE

Publication
EP 2024639 A1 20090218 (DE)

Application
EP 07725378 A 20070518

Priority
• EP 2007004470 W 20070518
• DE 102006025988 A 20060602
• DE 102006048411 A 20061012

Abstract (en)
[origin: WO2007140867A1] An axial piston machine comprises a housing (1), the housing interior of which receives an eccentric disc (3) and a rotatably mounted cylinder drum (6) having cylinders (26, 28) and pistons (29) which can move to and fro in said cylinders (26, 28) and the ends of which protrude out of the cylinders (26, 28) are supported on the eccentric disc (3). An actuating device (13) which acts on the eccentric disc (3) via a cradle journal (41) and an arm (14) and comprises an actuating piston (40) having a recess (43), into which the cradle journal (41) which is provided with a sliding block (42) engages, and holes (44) serves to displace the eccentric disc (3). The holes (44) are formed in the eccentric disc (3), in the arm (14) and in the cradle journal (41) and open into the recess (43) of the actuating piston (40).

IPC 8 full level
F04B 1/20 (2006.01); **F03C 1/06** (2006.01); **F04B 1/32** (2006.01)

CPC (source: EP)
F03C 1/0668 (2013.01); **F03C 1/0686** (2013.01); **F04B 1/2078** (2013.01); **F04B 1/328** (2013.01)

Citation (search report)
See references of WO 2007140867A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
DE 102006048411 A1 20071206; EP 2024639 A1 20090218; JP 2009539008 A 20091112; WO 2007140867 A1 20071213

DOCDB simple family (application)
DE 102006048411 A 20061012; EP 07725378 A 20070518; EP 2007004470 W 20070518; JP 2009512452 A 20070518