

Title (en)
COMPACT HYDRAULIC MECHANISM WITH RADIAL PISTONS

Title (de)
KOMPAKTER HYDRAULIKMECHANISMUS MIT RADIALKOLBEN

Title (fr)
MÉCANISME HYDRAULIQUE COMPACT À PISTONS RADIAUX

Publication
EP 2038547 A1 20090325 (FR)

Application
EP 07823522 A 20070627

Priority
• FR 2007051538 W 20070627
• FR 0652680 A 20060628

Abstract (en)
[origin: FR2903153A1] The mechanism has a cylinder block (10) rotating around a rotation axis (A) in a fixed housing that is provided in two parts (1A, 1B), and including cylinders (12) in which pistons (14) cooperate with a cam (16) that is integrated to the housing. The block includes a transversal surface (11) that has a zone (Z) radially delimited towards outside by base parts (12A) of the cylinders. An internal fluid dispenser (22) has a part that is arranged in an axial recess (30) and has a distributing surface (22B). A communicating surface (10A) of the block is arranged in a plane surface of the recess.

IPC 8 full level
F03C 1/04 (2006.01); **F03C 1/047** (2006.01); **F03C 1/247** (2006.01); **F04B 1/04** (2006.01); **F04B 1/047** (2006.01)

CPC (source: EP US)
F03C 1/0403 (2013.01 - EP US); **F03C 1/247** (2013.01 - EP US)

Citation (search report)
See references of WO 2008017766A1

Designated contracting state (EPC)
DE FR GB

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
FR 2903153 A1 20080104; FR 2903153 B1 20101029; CN 101479469 A 20090708; CN 101479469 B 20111102; EP 2038547 A1 20090325; JP 2009541658 A 20091126; JP 5268901 B2 20130821; US 2009288551 A1 20091126; US 8079298 B2 20111220; WO 2008017766 A1 20080214

DOCDB simple family (application)
FR 0652680 A 20060628; CN 200780024167 A 20070627; EP 07823522 A 20070627; FR 2007051538 W 20070627; JP 2009517352 A 20070627; US 30542407 A 20070627