

Title (en)
HYDRAULIC MACHINE

Title (de)
HYDRAULISCHE MASCHINE

Title (fr)
MACHINE HYDRAULIQUE

Publication
EP 1565653 B1 20100721 (FR)

Application
EP 03767903 A 20031104

Priority
• FR 0303291 W 20031104
• FR 0214924 A 20021128

Abstract (en)
[origin: US2006037465A1] The invention concerns a hydraulic machine, in particular a hydraulic motor, comprising: a body (1), a piston (9) adapted to slide in reciprocating motion in a cylindrical housing (7) of the body, a chamber (C 1 , C 2) being formed on either side of the piston, hydraulic switching means for feeding and evacuating the respective chambers (C 1 , C 2), control means (H) for abrupt change of the position of the switching means, and triggering means (13, 15) for, at the end of the stroke of the piston (9), changing the position of the switching means. The piston (9) is a single acting and non-differential piston, having a closed cross-section and the switching means are arranged in the body (1) of the machine, radially outside the cylindrical housing (7) wherein slides the piston (9).

IPC 8 full level
F04B 13/02 (2006.01); **F03C 1/03** (2006.01); **F03C 1/12** (2006.01); **F04B 9/103** (2006.01)

CPC (source: EP US)
F03C 1/03 (2013.01 - EP US); **F03C 1/12** (2013.01 - EP US); **F04B 9/1035** (2013.01 - EP US); **F04B 13/02** (2013.01 - EP US)

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

DOCDB simple family (publication)
US 2006037465 A1 20060223; US 7207260 B2 20070424; AT E475015 T1 20100815; AU 2003292336 A1 20040623;
CN 100365275 C 20080130; CN 1717544 A 20060104; DE 60333473 D1 20100902; EP 1565653 A1 20050824; EP 1565653 B1 20100721;
ES 2349747 T3 20110111; FR 2847950 A1 20040604; FR 2847950 B1 20050107; JP 2006508295 A 20060309; WO 2004051085 A1 20040617

DOCDB simple family (application)
US 53635805 A 20050526; AT 03767903 T 20031104; AU 2003292336 A 20031104; CN 200380104210 A 20031104; DE 60333473 T 20031104;
EP 03767903 A 20031104; ES 03767903 T 20031104; FR 0214924 A 20021128; FR 0303291 W 20031104; JP 2004556397 A 20031104