

Title (en)
HYDRAULIC MACHINE, IN PARTICULAR HYDRAULIC MOTOR, WITH A RECIPRICATING MOVEMENT

Title (de)
HYDRAULISCHE MASCHINE, INSBESONDERE HYDRAULIKMOTOR, MIT EINER HUBBEWEGUNG

Title (fr)
MACHINE HYDRAULIQUE, EN PARTICULIER MOTEUR HYDRAULIQUE, A MOUVEMENT ALTERNATIF

Publication
EP 1971774 B1 20090506 (FR)

Application
EP 06841880 A 20061207

Priority
• FR 2006002673 W 20061207
• FR 0600315 A 20060113

Abstract (en)
[origin: WO2007080249A1] Hydraulic machine, in particular a hydraulic motor, comprising: a casing (1); a piston (4) which can slide in the casing, the piston separating two chambers (8, 9); hydraulic switching means (C) for supplying liquid to and for evacuating the chambers separated by the piston, comprising at least one connecting rod (14) acting on a distribution member which can adopt two stable positions; and initiating means comprising a pusher (18) which, at the end of the piston stroke, can cause a sudden change in the position of the switching means, under the action of an elastic means (E), in order to reverse the stroke. The elastic means (E) is secured, at each of its ends, to an articulation member (20a, 20b) respectively accommodated in a housing (21, 22) provided on the connecting rod and on another moving part (18) of the machine, each housing (21, 22) being open in a direction substantially opposed to the direction of the force exerted by the elastic means (E) in the housing, such that each articulation member (20a, 20b) can be removed from its open housing (21, 22) against the action of said force, thereby simplifying assembly and disassembly.

IPC 8 full level
F04B 9/10 (2006.01)

CPC (source: EP US)
F03C 1/26 (2013.01 - EP US); **F04B 9/107** (2013.01 - EP US); **F04B 13/02** (2013.01 - EP US); **F04B 53/22** (2013.01 - EP US)

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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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2896281 A1 20070720; FR 2896281 B1 20080229; AT E430878 T1 20090515; AU 2006334587 A1 20070719; AU 2006334587 B2 20110929; BR PI0620997 A2 20111129; BR PI0620997 B1 20200519; CA 2636627 A1 20070719; CA 2636627 C 20130226; CN 101371040 A 20090218; CN 101371040 B 20121128; DE 602006006724 D1 20090618; EA 013712 B1 20100630; EA 200870165 A1 20081230; EP 1971774 A1 20080924; EP 1971774 B1 20090506; ES 2326924 T3 20091021; JP 2009523212 A 20090618; JP 5465434 B2 20140409; MX 2008009067 A 20081114; NZ 569650 A 20100430; UA 90205 C2 20100412; US 2010282072 A1 20101111; US 7975597 B2 20110712; WO 2007080249 A1 20070719

DOCDB simple family (application)
FR 0600315 A 20060113; AT 06841880 T 20061207; AU 2006334587 A 20061207; BR PI0620997 A 20061207; CA 2636627 A 20061207; CN 200680052683 A 20061207; DE 602006006724 T 20061207; EA 200870165 A 20061207; EP 06841880 A 20061207; ES 06841880 T 20061207; FR 2006002673 W 20061207; JP 2008549896 A 20061207; MX 2008009067 A 20061207; NZ 56965006 A 20061207; UA A200810358 A 20061207; US 16031106 A 20061207