

Title (en)
Hydraulic pressure switch

Title (de)
Hydraulischer Druckschalter

Title (fr)
Interrupteur de pression hydraulique

Publication
EP 1775743 A3 20081105 (DE)

Application
EP 06020064 A 20060926

Priority
DE 102005049171 A 20051014

Abstract (en)
[origin: EP1775743A2] Hydraulic press switch moves the power flow between an actuating plunger (10) and a spring plate (12) via a ball bearing (11). Preferred Features: The ball bearing is arranged in a coaxial recess at the side of the spring plate which is partially closed by the corresponding end of the actuating plunger so that the ball bearing remains in the assembly position. The ball bearing has a diameter of 2-3 mm to achieve the optimum between the bearing function and the ability of assembly.

IPC 8 full level
H01H 35/38 (2006.01)

CPC (source: EP)
H01H 35/38 (2013.01)

Citation (search report)
• [DX] DE 3245937 A1 19840614 - HYDROSTAR DIPL ING ROLF OEHLER [DE]
• [DY] DE 19818838 A1 19991111 - BOSCH GMBH ROBERT [DE], et al
• [Y] DE 876561 C 19530515 - WEIHE HERMANN KURT
• [DA] DE 19818841 A1 19991111 - BOSCH GMBH ROBERT [DE]
• [A] US 4743716 A 19880510 - TSUKIOKA ICHIRO [JP]

Cited by
US9966211B1; CN113175560A; US10600595B1; US8022321B2

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1775743 A2 20070418; EP 1775743 A3 20081105; EP 1775743 B1 20130403; DE 102005049171 A1 20070419; DK 1775743 T3 20130708

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EP 06020064 A 20060926; DE 102005049171 A 20051014; DK 06020064 T 20060926