

Title (en)

Hydraulic actuator for swing gates or overhead doors with pressure switch

Title (de)

Hydraulischer Aktor für Schwingtore oder Kipptüren mit Druckschalter

Title (fr)

Actionneur hydraulique pour portes battantes ou portes basculantes avec un interrupteur à pression

Publication

EP 1826417 A3 20091118 (EN)

Application

EP 07380042 A 20070220

Priority

ES 200600432 A 20060223

Abstract (en)

[origin: EP1826417A2] Hydraulic actuator for swing gates or overhead doors that comprises an electric motor (2), a hydraulic pump (3) and a hydraulic distributor (4) that distributes a fluid originated from the hydraulic pump (3) to a hydraulic cylinder (5). Said hydraulic cylinder (5) comprises two chambers (27,28) separated by a piston (8) which is displaced in its interior by the action of said fluid, causing the movement of the door. The hydraulic actuator comprises a detection means (30) that detects variations in the pressure of the fluid comprised in one of the chambers (27,28) over a rating pressure or below a normal operating pressure, including said detection means (30), an electric switch (9) and an actuating means (31) that switches said electric switch (9) on or off.

IPC 8 full level

F15B 15/18 (2006.01)

CPC (source: EP ES)

F15B 15/18 (2013.01 - EP ES)

Citation (search report)

- [X] US 6267432 B1 20010731 - STOLLE KLAUS [DE]
- [A] US 6282893 B1 20010904 - PORTER DON B [US], et al
- [A] DE 20201058 U1 20020418 - FESTO AG & CO [DE]

Cited by

EP2811162A4; US2023124513A1; US11815108B2

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 1826417 A2 20070829; EP 1826417 A3 20091118; EP 1826417 B1 20120411; AT E553301 T1 20120415; ES 2319243 A1 20090505; ES 2319243 B1 20100202; ES 2383914 T3 20120627; MX 2007002065 A 20081118

DOCDB simple family (application)

EP 07380042 A 20070220; AT 07380042 T 20070220; ES 07380042 T 20070220; ES 200600432 A 20060223; MX 2007002065 A 20070220