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(54) **Hydraulic actuator for swing gates or overhead doors with pressure switch**

(57) 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.

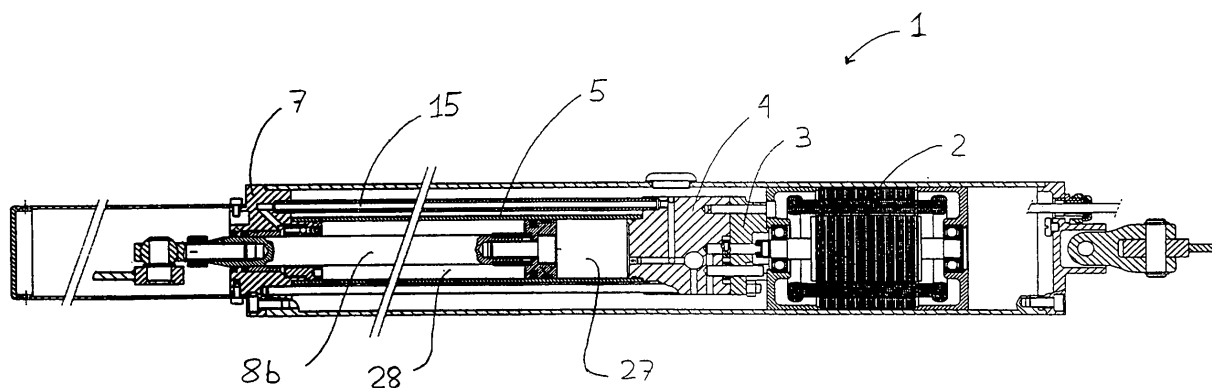


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 07 38 0042

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 267 432 B1 (STOLLE KLAUS [DE]) 31 July 2001 (2001-07-31) * claims 1-4; figure 1 *	1-6	INV. F15B15/18
A	US 6 282 893 B1 (PORTER DON B [US] ET AL) 4 September 2001 (2001-09-04)	1	
A	DE 202 01 058 U1 (FESTO AG & CO [DE]) 18 April 2002 (2002-04-18)	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			F15B E05F B60J
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 12 October 2009	Examiner Regaud, Christian
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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12-10-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6267432	B1	31-07-2001	AT 405384 B 26-07-1999
			DE 59808802 D1 31-07-2003
			EP 0916535 A2 19-05-1999
			JP 11227468 A 24-08-1999
US 6282893	B1	04-09-2001	US 2001042435 A1 22-11-2001
DE 20201058	U1	18-04-2002	NONE