



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
20.02.2013 Bulletin 2013/08

(51) Int Cl.:
E05F 15/08 (2006.01)

(43) Date of publication A2:
18.02.2009 Bulletin 2009/08

(21) Application number: **08425495.2**

(22) Date of filing: **23.07.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA MK RS

(71) Applicant: **Campisa S.r.l.**
20030 Palazzolo Milanese (MI) (IT)

(72) Inventor: **Nelzi, Giampaolo**
20030 Palazzolo Milanese (MI) (IT)

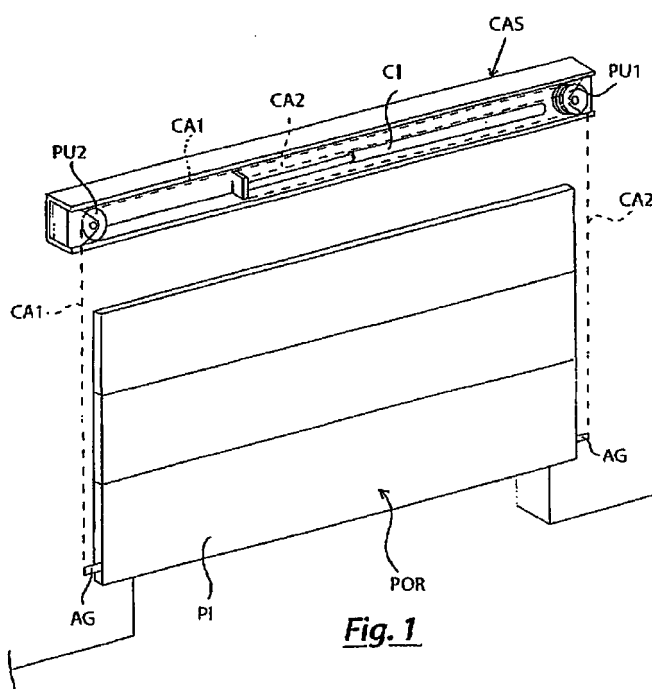
(74) Representative: **Santi, Filippo et al**
Barzano' & Zanardo Roma S.p.A.
Via Piemonte 26
00187 Roma (IT)

(30) Priority: **13.08.2007 IT VI20070237**

(54) **High safety hydraulic device for the operation of sectional overhead doors**

(57) A high safety hydraulic device for the operation of sectional overhead doors (POR), of the type comprising at least one hydraulic cylinder (CI), connected to at least one hydraulic circuit (MI), which allows the opening or closing of the overhead door (POR), through an electro-hydraulic motor (M), suitable for operating at least one pump for the circulation of a fluid within at least one

pipe (TU) of the hydraulic circuit (MI); in particular, between the hydraulic cylinder (CI) and the discharge tank (SC) placed downstream the motor (M), is provided at least one first solenoid valve (VA), normally closed, placed at the outlet of the hydraulic cylinder (CI) and preferably integral with it, and a second solenoid valve (NS), normally closed, placed between the pipe (TU) and the discharge tank (SC).





EUROPEAN SEARCH REPORT

Application Number
EP 08 42 5495

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	EP 0 881 349 A2 (CAMPISA SRL [IT]) 2 December 1998 (1998-12-02) * column 2, line 45 - column 4, line 27; figures 1-3 * * column 2, lines 20-21 * -----	1-11	INV. E05F15/08
A	EP 1 036 698 A1 (DAUTEL CAMPISA S R L [IT]) 20 September 2000 (2000-09-20) * figures 5,19 * -----	1-11	
A	EP 1 036 699 A1 (DAUTEL CAMPISA S R L [IT]) 20 September 2000 (2000-09-20) * figures 4,7 * -----	1-11	
A	EP 0 567 189 A1 (CAMPISA SRL [IT]) 27 October 1993 (1993-10-27) * figure 4 * -----	1-11	
A	DE 100 46 914 A1 (HOERBIGER HYDRAULIK [DE]) 5 April 2001 (2001-04-05) * figure 1 * -----	1-11	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			E05F E06B F15B
Place of search		Date of completion of the search	Examiner
The Hague		15 January 2013	Regaud, Christian
CATEGORY OF CITED DOCUMENTS		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	
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			

 2
EPO FORM 1503 03/02 (P04C01)

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

EP 08 42 5495

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-01-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0881349 A2	02-12-1998	EP 0881349 A2	02-12-1998
		IT MI970390 U1	30-11-1998
EP 1036698 A1	20-09-2000	EP 1036698 A1	20-09-2000
		IT MI990529 A1	18-09-2000
EP 1036699 A1	20-09-2000	EP 1036699 A1	20-09-2000
		IT MI990530 A1	18-09-2000
EP 0567189 A1	27-10-1993	EP 0567189 A1	27-10-1993
		IT 1254894 B	11-10-1995
DE 10046914 A1	05-04-2001	AT 409112 B	27-05-2002
		DE 10046914 A1	05-04-2001

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82