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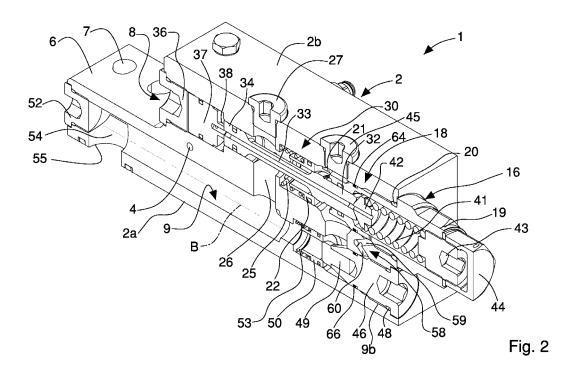
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(54)Load supporting valve

(57)A valve (1) comprises a body (2), provided with a plurality of openings (3, 4, 5, 55) through which a pressurised fluid can enter or exit said valve (1) and cavity means (8, 9, 26, 54), made in the body (2) and suitable for receiving the fluid. The cavity means (8, 9, 26, 54) comprises a first cavity (8) and a second cavity (9), the first cavity (8) comprising a portion (10) suitable for receiving a containing element (16) and the second cavity (9) comprising an end portion (9b) suitable for receiving a closing element (46). The valve (1) further comprises connecting means (58) suitable for making the portion (10) and the end portion (9b) reciprocally communicating.





EUROPEAN SEARCH REPORT

Application Number EP 12 17 6655

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category	Citation of document with ir of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Х	US 2009/249776 A1 (8 October 2009 (200 * abstract; figures	DAVIDSON NOAM [CA]) 9-10-08) 1,1A, 1B *	1-11	INV. F15B13/01 F16K17/04 F16K27/04
Х	CN 201 021 682 Y (E TECH RES [CN]) 13 February 2008 (2 * abstract; figure		1-6	11002//04
Х	US 3 665 810 A (PAR 30 May 1972 (1972-0 * abstract; figures	5-30)	1-6	
Х	US 3 472 261 A (BRA 14 October 1969 (19 * abstract; figure	69-10-14)	1	
Х	EP 0 049 034 A2 (MC [US]) 7 April 1982 * abstract; figures		1	TECHNICAL FIELDS
A		.3482 A1 (RAUSCH & PAUSCH GMBH cember 2007 (2007-09-27) figures 3,4 *		SEARCHED (IPC) F16K F15B
	The present search report has	peen drawn up for all claims Date of completion of the search		Examiner
	Munich	30 January 2013	B Po	dratzky, Andreas
		·	ļ.	-
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot iment of the same category inological background written disclosure rmediate document	E : earlier patent of after the filling of the comment cite L : document cite	d in the application d for other reasons	lished on, or

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EP 12 17 6655

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30-01-2013

	Patent document ed in search report		Publication date		Patent family member(s)	Publication date
US	2009249776	A1	08-10-2009	NONE		
CN	201021682	Υ	13-02-2008	NONE		
US	3665810	Α	30-05-1972	NONE		
US	3472261	Α	14-10-1969	GB US	1115144 A 3472261 A	29-05-19 14-10-19
EP	0049034	A2	07-04-1982	CA DE EP JP JP US	1150138 A1 3169376 D1 0049034 A2 1038965 B 57061803 A 4341148 A	19-07-19 25-04-19 07-04-19 17-08-19 14-04-19 27-07-19
DE.	102006013482	 A1	27-09-2007	NONE		

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