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(54) **Clamp device for fastening accessories**

(57) The invention relates to a clamp device for detachably fastening an accessory to hospital furniture, such as an operating table or the like. The clamp device comprises first and second clamping elements (1,2) that are interconnected. The first clamping elements (1) comprise a fastening frame (10) provided with a channel (11) that is C-shaped in cross-section, in which channel there is installed the accessory rail (20), and locking means (22) provided in connection with the fastening frame (10) and the channel (11) for fastening and locking the frame and at the same time the clamp device detachably to the accessory rail. The second clamping elements (2) comprise jaws (3), and in between the jaw elements (31,32) of said jaws, there is left a gap (4); a space (5) for the accessory support element (T) provided in the gap (4) left between the jaws (3;31,32); and a compression element (6) for pressing the jaws (3;31,32) together and respectively for opening them for fastening and respectively detaching the accessory support bar (T).

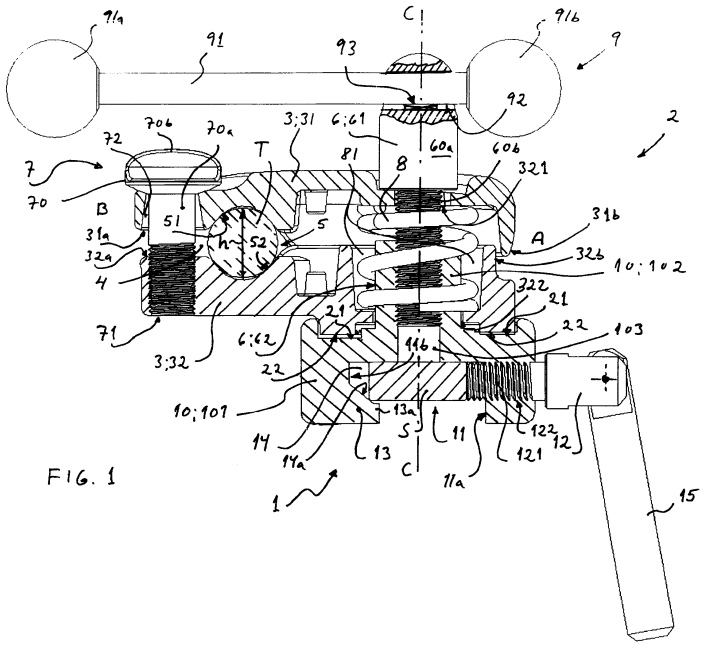


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
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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 A	WO 2007/095744 A1 (MELIC JONNY JONATHAN [CA]) 30 August 2007 (2007-08-30) * paragraphs [0031] - [0033], [0037], [0041] - [0044]; figures 1-4 *	1-3 10-15	INV. A61G13/10 A61G13/12 F16B2/02
X	WO 2005/033524 A1 (MICRONIX PTY LTD [AU]; DICKISON MAXWELL [AU]; KEARNEY TONY DAMIEN [AU]) 14 April 2005 (2005-04-14) * pages 6-9; figures 1-3 *	1,3	
X Y	US 2 617 618 A (JOSEPH BLUME FRANK) 11 November 1952 (1952-11-11) * column 1, lines 44-55; figures 1-3 * * column 2 * * column 3, lines 1-23 *	1,3-5, 7-9 6	
Y,D	GB 879 878 A (ALLEN & HANBURYS LTD) 11 October 1961 (1961-10-11) * page 2, lines 4-24; figure 1 *	6	

TECHNICAL FIELDS SEARCHED (IPC)
A61G B25B F16B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Berlin	22 December 2017	Bielsa, David

CATEGORY OF CITED DOCUMENTS

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22-12-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2007095744 A1	30-08-2007	AU 2007218957 A1	30-08-2007
		CA 2643062 A1	30-08-2007
		CA 2688224 A1	30-08-2007
		CN 101484709 A	15-07-2009
		EP 1991793 A1	19-11-2008
		US 2009249591 A1	08-10-2009
		WO 2007095744 A1	30-08-2007
WO 2005033524 A1	14-04-2005	NONE	
US 2617618 A	11-11-1952	NONE	
GB 879878 A	11-10-1961	NONE	

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