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(54) **Spacer for concrete shuttering**

(57) Cross strut (1) suitable for maintaining a distance between two facing panels (2) of a box caisson (3), the cross strut comprising a central body (5) which is suitable for being inserted inside a wall (6) realised for packing the box caisson (3) itself and two longitudinal peripheral sections (7) which are arranged on either side

of the central body (5) and which are each suitable for extending outside the relative panel (2); whereby the cross strut comprises barring means (11) which are arranged around and integral to the central body (5) between the peripheral sections (7) in order to block the movement of any kind of liquid along a longer longitudinal axis (A) of the cross strut (1).

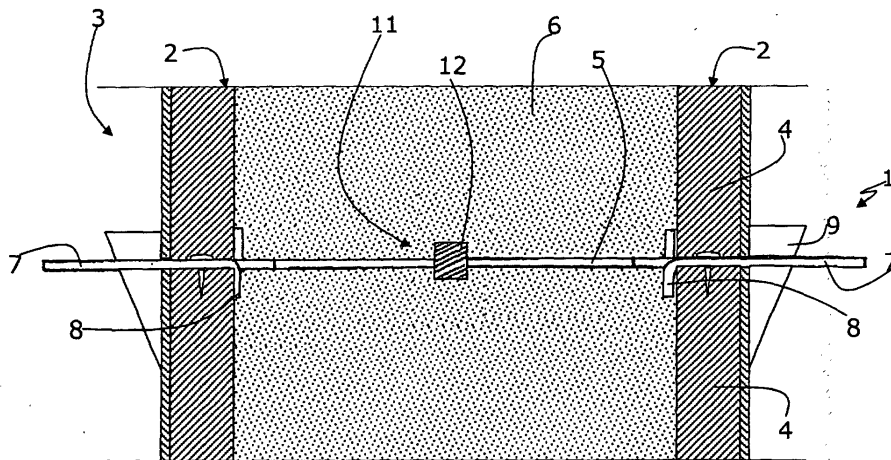


Fig. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 01 11 2784

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) & JP 09 256633 A (ARAO KK), 30 September 1997 (1997-09-30) * abstract; figures *	1-4	E04G17/06
X	GB 2 247 272 A (RAPID METAL DEVELOPMENTS LTD) 26 February 1992 (1992-02-26) * page 4, line 5 - page 6, line 9; figures *	1-3	
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 051 (M-1209), 10 February 1992 (1992-02-10) & JP 03 253669 A (C I KASEI CO LTD), 12 November 1991 (1991-11-12) * abstract; figure 2 *	1-3	
A	US 1 913 326 A (AWBREY SAMUEL C) 6 June 1933 (1933-06-06) * the whole document *		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E04G
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 25 September 2003	Examiner Bouyssy, V
<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</p> <p>& : 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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The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82