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(54) **Mechanical connection for concrete elements**

(57) A mechanical connection for concrete elements, comprising:

- a first plate (1) with a first anchoring system (3) for a first concrete element;
- a second plate (2) with a second anchoring system (4) for a second concrete element;
- a fixing means for fixing the first plate (1) to the second plate (2), said fixing means comprising at least one female element (10, 11, 12) disposed on the second plate (2) to cooperate with at least one corresponding male element (13, 14, 15) removable coupled to said first plate (1) and arranged to cooperate with a corresponding anchoring hole (16, 17, 18) provided therein.

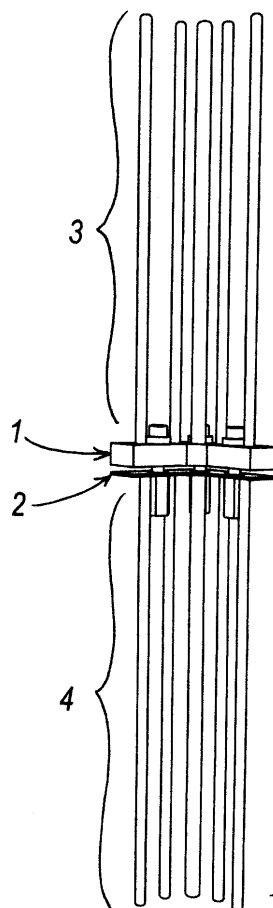


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 07 12 0347

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	FR 1 247 102 A (DEUTSCHE BAUAKADEMIE) 25 November 1960 (1960-11-25)	1,3-8, 14,15, 19,20	INV. E04C5/16
Y	* column 1, line 1 - line 3 * * column 5, line 55 - column 8, line 10; figures 1, 4, 5, 9-13 * -----	12,13, 16,21,24	
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A	* column 1, line 1 - line 6 * * column 4, line 29 - column 6, line 39; figures 1-6 * -----	1-4, 7-11,14, 15, 17-20, 22,23	
Y	DE 14 09 137 A1 (HOLZMANN PHILIPP AG) 21 November 1968 (1968-11-21)	5,6	
A	* page 1, paragraph 1 * * page 4, paragraph 5 - page 6, paragraph 2; figures 1,2,3,4 * -----	1-4,7-24	TECHNICAL FIELDS SEARCHED (IPC)
A	DE 20 63 438 A1 (NOE-SCHALTECHNIK) 3 August 1972 (1972-08-03) * page 1, paragraph 1 * * page 3, paragraph 5 - page 5, paragraph 2; figures 1,2 * -----	1-24	E04C
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 27 January 2011	Examiner Giannakou, Evangelia
<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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EPO FORM 1503 03.82 (P04C01)

**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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27-01-2011

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