



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**17.10.2007 Bulletin 2007/42**

(51) Int Cl.:  
**E04B 1/21 (2006.01)**

(43) Date of publication A2:  
**14.02.2007 Bulletin 2007/07**

(21) Application number: **06118629.2**

(22) Date of filing: **08.08.2006**

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR**  
Designated Extension States:  
**AL BA HR MK YU**

(71) Applicant: **Edilmatic S.R.L.**  
**46020 Pegognaga (Mantova) (IT)**

(72) Inventor: **Luitprandi, Giorgio**  
**46020, Pegognaga (IT)**

(74) Representative: **Jorio, Paolo et al**  
**Studio Torta S.r.l.**  
**Via Viotti, 9**  
**10121 Torino (IT)**

(30) Priority: **11.08.2005 IT MI20051565**

(54) **Interconnection device and method using such a device for connecting a reinforced concrete prefabricated beam to a reinforced concrete prefabricated pillar**

(57) An interconnection device (1) for connecting a prefabricated reinforced concrete beam (3) to a prefabricated reinforced concrete pillar (2) is provided with a first intermediate connecting element (10), which is adapted to be inserted, in part, in at least one seat (24) extending into said pillar (2) and having an upper sup-

porting plate (40) for said beam (3); and a second intermediate connecting element (11) essentially defined by a solidified non-shrink grout casting, which extends between the beam (3) and the pillar (2) and, in part, in a first and second recess (19, 32) made respectively in the pillar (2) and in the beam (3).

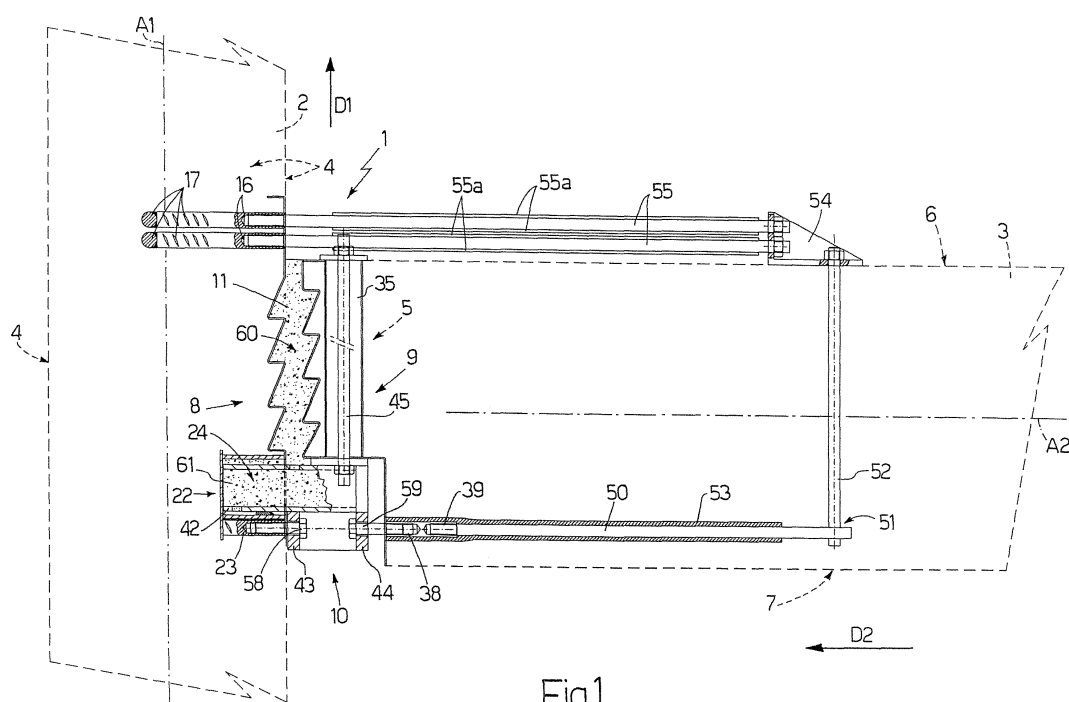


Fig.1



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 06 11 8629

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	DE 26 41 403 A1 (BORS DORF HEINZ DIPL ING) 16 March 1978 (1978-03-16)	1-7, 14-26	INV. E04B1/21
A	* page 6, line 22 - page 7, line 13; figure 1 *	8-13	
Y	DE 27 00 089 A1 (BORS DORF HEINZ DIPL ING) 6 July 1978 (1978-07-06)	1-7, 14-26	
A	* page 12; figures 18,19 *	8-13	
A	US R E23 074 E (HENDERSON) 11 January 1949 (1949-01-11) * column 2, line 51 - column 3, line 55; figures 1-3 *	1-26	
A	GB 2 108 548 A (DOW MAC CONCRETE LTD) 18 May 1983 (1983-05-18) * abstract; figure 1 *	1-26	TECHNICAL FIELDS SEARCHED (IPC) E04B
A	US 3 436 892 A (SLAVIN HAIM) 8 April 1969 (1969-04-08) * figure 4 *	1	
A	GB 2 149 874 A (NORCROS INVESTMENTS LTD) 19 June 1985 (1985-06-19) * abstract; figure 1 *	1	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 11 September 2007	Examiner Khera, Daljit
<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 &amp; : member of the same patent family, corresponding document</p>			

3  
EPO FORM 1503 03/82 (P04C01)

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

EP 06 11 8629

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.

11-09-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 2641403	A1	16-03-1978	NONE	
DE 2700089	A1	06-07-1978	NONE	
US RE23074	E		US 2414738 A	21-01-1947
GB 2108548	A	18-05-1983	NONE	
US 3436892	A	08-04-1969	IL 24937 A	19-02-1970
GB 2149874	A	19-06-1985	NONE	