

⑫

EUROPEAN PATENT APPLICATION

⑫① Application number: **87108762.3**

⑤① Int. Cl.⁴: **E 02 D 29/02, E 04 H 7/18**

⑫② Date of filing: **19.06.87**

③⑩ Priority: **11.07.86 IT 5361586 U**

⑦① Applicant: **P.C. S.p.A., 28/A, Via Caorsana, I-29100 Piacenza (IT)**

④③ Date of publication of application: **20.01.88**
Bulletin 88/3

⑦② Inventor: **Parenti, Giuseppe, 4, Via Tononi, I-29100 Piacenza (IT)**

⑧④ Designated Contracting States: **DE ES FR GB**

⑧⑧ Date of deferred publication of search report: **04.05.88 Bulletin 88/18**

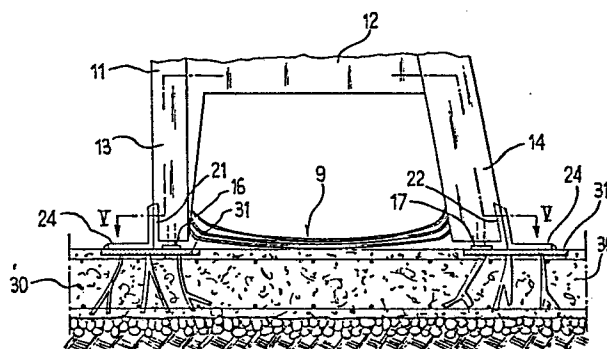
⑦④ Representative: **Chiappero, Riccardo et al, Corso Re Umberto 56, I-10128 Torino (IT)**

⑤④ **Wall of pre-cast panels, particularly for earth-retaining and for building liquid-holding tanks.**

⑤⑦ The wall is adapted to structurally cooperate with a cast-in-place, reinforced-concrete foundation bed (40), each panel (10) comprising a facing (11) and a back rib (12) at right angles to the facing (11) and integral therewith; the facing (11) and the rib (12) extending downwardly into substantially tripod-arranged support members (13, 14).

According to the invention, each panel (10) further comprises:

- three levelling screws (16, 17) in said support members (13, 14) for adjusting the plumbing of the panel (10), and adapted to cooperate with corresponding first metal plates (31) buried in a support floor (30) of pre-cast concrete;
- second metal plates (21, 22) integral with said support members (13, 14), adapted to cooperate with angle members (24) which are welded to said first (31) and second plates (21, 22) for provisionally stabilizing the panel (10);
- portions of bare reinforcement extending (9) between said support members (13, 14), adapted to be buried in the casting of the foundation bed (40);
- cylindrical hinge couplings (27, 28) with vertical axis and conjugated profiles, provided at the edges of said facing (11);
- a web (120) at the outside edge of the rib (12), adapted to act both as a tie and as a strut, depending on the direction of the stresses acting on the wall.





European Patent
Office

EUROPEAN SEARCH REPORT

0253150

Application Number

EP 87 10 8762

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.4)
A	GB-A-1 531 741 (MARLEY) * Page 1, lines 68-80; figures 1,2 * ---	1,4	E 02 D 29/02 E 04 H 7/18
A	FR-A-2 185 117 (BALZER) * Page 6, lines 13-20; page 7, lines 7-37; figures 1,2,8-12 * ---	1	
A	US-A-4 592 678 (NINCH) * Column 3, line 40 - column 5, line 62; figures 1-7 * ---	1	
A	PATENT ABSTRACTS OF JAPAN, vol. 7, no. 12 (M-186)[1157], 19th January 1983; & JP-A-57 169 135 (HOKURIKU CONCRETE KOGYO K.K.) 18-10-1982 * Abstract * ---	1	
A	US-A-3 869 868 (IRSAI) * Column 3, lines 15-32; figures 3,4,6,7 * ---	1	
A	US-A-3 466 676 (BARRERA) * Column 4, line 40 - column 5, line 7; figures 3,6,7 * -----	2	TECHNICAL FIELDS SEARCHED (Int. Cl.4) E 02 D E 04 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-02-1988	Examiner KERGUENO J.P.D.
CATEGORY OF CITED DOCUMENTS 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 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			