



(19)

Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 1 065 324 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
04.06.2003 Bulletin 2003/23

(51) Int Cl.7: **E04B 1/16, E04B 2/84**

(43) Date of publication A2:
03.01.2001 Bulletin 2001/01

(21) Application number: **00500146.6**

(22) Date of filing: **30.06.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(71) Applicant: **Casaforma Mediterraneo, S.A.**
46005 Valencia (ES)

(72) Inventor: **Gaspar, Luis Carlos Rocha**
46005 Valencia (ES)

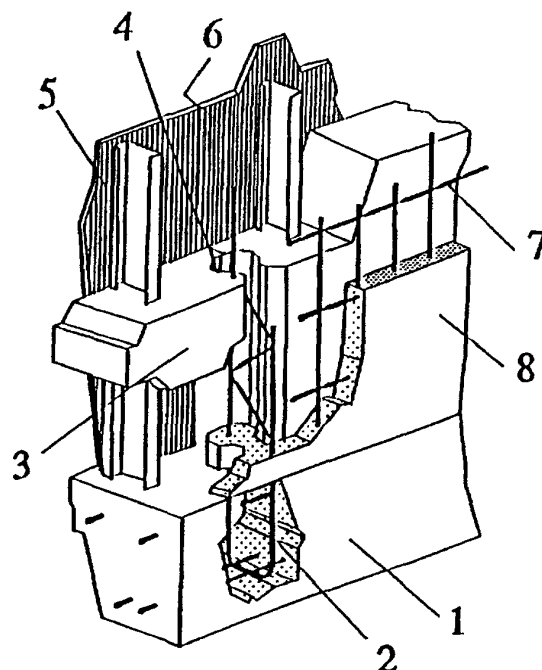
(30) Priority: **30.06.1999 ES 9901720 U**

(74) Representative: **Marques Alos, Fernando**
Tuset, 34
08006 Barcelona (ES)

(54) **Prefabricated modular structure**

(57) **"PREFABRICATED MODULAR STRUCTURE"**, applicable to the building of construction units such as wall and mezzanine structures, characterised by the wall structure being constituted on a foundation of balsa, with lintel beams running throughout each wall, with anchors placed at equal distances formed by a "U" shaped profile, to house electronically welded reinforcing bars, on whose base a core of expanded polystyrene panels is prepared with a coping on its lateral faces that form polygonal openings and crossing these panels are the support profiles of an interior finishing plate, also providing an exterior mesh and fixing for a concrete coat that completely fills the constricted openings; the mezzanine structure has a concrete coat projected on a steel mesh, fixed on the polygonal openings, and is provided with an electronically welded reinforcing bar and providing these panels rectangular recesses of inclined wall, for the insertion of a prefabricated concrete slab and reinforcement profiles.

Fig.1



EP 1 065 324 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 50 0146

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)
Y	FR 2 422 790 A (GADREZ JEAN) 9 November 1979 (1979-11-09) * page 1, line 36 - page 2, line 32; figures 1,2 *	1	E04B1/16 E04B2/84
Y	US 3 353 322 A (KARL GUDDAL) 21 November 1967 (1967-11-21) * column 3, line 12 - column 4, line 71; figures 1-6 *	1	
A	US 5 799 453 A (WESTERLUND ROBERT E) 1 September 1998 (1998-09-01) * column 4, line 51 - column 6, line 16; figures 1-4 *	1,2	
A	GB 1 527 250 A (BOVIS SPRAYCON LTD) 4 October 1978 (1978-10-04) * page 3, line 15 - line 113; figures 1-4 *	1,2	
A	US 4 193 240 A (ODOERFER HANS F) 18 March 1980 (1980-03-18) * column 2, line 23 - column 3, line 21; figures 1,2 *	1,3	TECHNICAL FIELDS SEARCHED (Int.Cl.7) E04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 April 2003	Examiner Kriekoukis, S
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			

EPO FORM 1503 03 82 (P04C01)

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

EP 00 50 0146

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.

14-04-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2422790	A	09-11-1979	FR 2422790 A1	09-11-1979
US 3353322	A	21-11-1967	FR 1455290 A	01-04-1966
			US 3353329 A	21-11-1967
			CH 420554 A	15-09-1966
			DE 1459952 A1	02-01-1969
			DK 120916 B	02-08-1971
			FR 1405762 A	09-07-1965
			GB 1080752 A	23-08-1967
			NL 6409901 A	01-03-1965
			US 8304809 I5	
			US 3466825 A	16-09-1969
			DE 1479052 A1	30-01-1969
			GB 1120982 A	24-07-1968
US 5799453	A	01-09-1998	NONE	
GB 1527250	A	04-10-1978	NONE	
US 4193240	A	18-03-1980	NONE	