



- (51) International Patent Classification:  
*E04B 2/74* (2006.01)      *E04B 2/82* (2006.01)
- (21) International Application Number:  
PCT/IB2013/058168
- (22) International Filing Date:  
30 August 2013 (30.08.2013)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data:  
PD2012A000253 31 August 2012 (31.08.2012) IT
- (71) Applicant: **POLIFAR S.R.L.** [IT/IT]; Via Don Luigi Sturzo, 4, I-30037 Scorzè, VENEZIA (IT).
- (72) Inventor: **BIANCON, Gian Francesco**; c/o POLIFAR S.r.l., Via Don Luigi Sturzo, 4, I-30037 Scorzè, VENEZIA (IT).
- (74) Agents: **MITOLA, Marco** et al.; c/o JACOBACCI & PARTNERS S.p.A., Via Berchet, 9, I-35131 Padova (IT).

MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

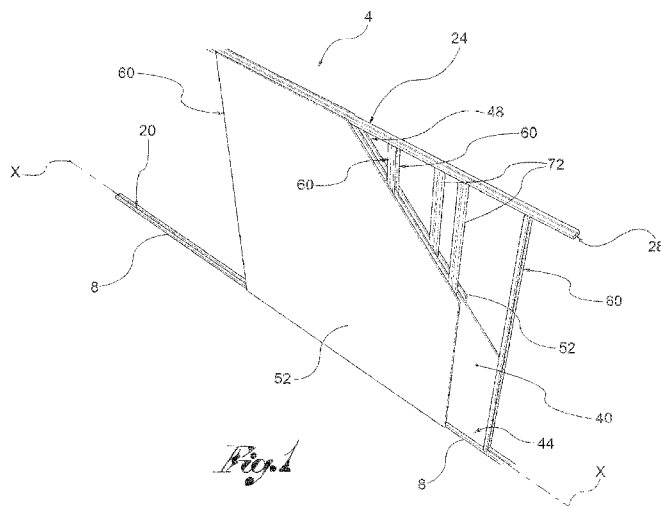
**Published:**

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:  
1 May 2014

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,

(54) Title: WALL MODULE FOR BUILDING STRUCTURE, BUILDING STRUCTURE AND METHOD OF MAKING THERE-OF



(57) Abstract: A wall module (4) comprising a lower rail (8) having a base plate (12) and a pair of lateral portions (16) bent in relation to the base plate (12) so as to assume an overall "U" configuration defining a first seat (20); an upper rail (24), defining an upper base of the module (4), and having at least one base plate (12) and a pair of lateral portions (16) bent in relation to the base plate (12) so as to assume an overall "U" configuration defining a second seat (28). The module (4) comprises a pair of cover panels (52), joined on opposite sides to the lower and upper rails (8,24) at the bent lateral portions (16), so as to enclose between them said rails. The lateral portions (16) terminate with appendages (32) recessed towards a centreline (M-M) of the rails so as to delimit an entrance of the first and of the second seat (20,28) in a recessed position in relation to the bent lateral portions (16). The module (4) comprises a structural panel (40) which extends from a lower rim (44) to an upper rim (48), wherein the lower rim (44) is inserted in the first seat (20) and the upper rim is inserted in the second seat (28).



**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/IB2013/058168

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. E04B2/74 E04B2/82  
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
E04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/21012 A1 (BECKER DUANE W [US]) 12 June 1997 (1997-06-12) page 6, lines 11-15; figure 4 -----	1-21
X	US 2010/307080 A1 (PARSHAD DAVID [CA] ET AL) 9 December 2010 (2010-12-09) paragraphs [0086] - [0087]; figures 2,3,6 -----	1-21

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

5 March 2014

Date of mailing of the international search report

18/03/2014

Name and mailing address of the ISA/  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040,  
Fax: (+31-70) 340-3016

Authorized officer

Valenta, Ivar

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2013/058168

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: 22, 23  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box II.2

Claims Nos.: 22, 23

It is clear from the description and claim 1 that feature "a pair of cover panels creating a pair of interspaces" is essential to the definition of the invention. Since independent claim 22 does not contain this feature it does not meet the requirement of clarity that any independent claim must contain all the technical features essential to the definition of the invention.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guidelines C-IV, 7.2), should the problems which led to the Article 17(2) declaration be overcome.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/IB2013/058168
---

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9721012	A1	12-06-1997	CN 1207153 A 03-02-1999
			CN 1395013 A 05-02-2003
			IN 190133 A1 21-06-2003
			JP 3827330 B2 27-09-2006
			JP 2000501800 A 15-02-2000
			US 5755066 A 26-05-1998
			WO 9721012 A1 12-06-1997
-----			
US 2010307080	A1	09-12-2010	CA 2668445 A1 05-12-2010
			US 2010307080 A1 09-12-2010
-----			