

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/091832 A3

(51) International Patent Classification:

B65D 5/00 (2006.01) E04C 2/38 (2006.01)
B65D 5/56 (2006.01) E04C 2/54 (2006.01)
E04C 2/00 (2006.01) E06B 9/324 (2006.01)
E04C 2/32 (2006.01)

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/US2005/004975

(22) International Filing Date:

17 February 2005 (17.02.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/796,732 8 March 2004 (08.03.2004) US

(84) Designated States (unless otherwise indicated, for every kind of regional protection available):

ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

— with international search report

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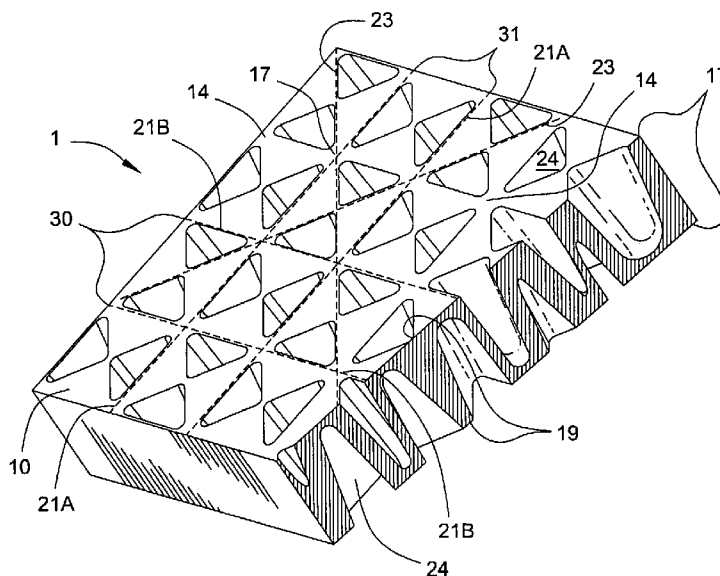
(88) Date of publication of the international search report:

12 April 2007

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HIGH STRENGTH LOW DENSITY MULTI-PURPOSE PANEL



(57) Abstract: A high strength low density multi-purpose panel. The preferred panel is made of a plurality of boxes, organized into rows and columns, and each preferably including four alternately inverted voids. The voids are preferably triangular in cross-section and rounded at their apex and corners. The box sides are preferably four solid panels. Cross panels, extending between opposite corners and between the faces of each box, intersect at each box center, resulting in an X-shaped cross in each box. Each box is rotated ninety degrees with respect to each adjacent box. Each box shares sides with four adjacent boxes and corners with four cater-cornered boxes. The common sides create perpendicular sets of parallel braces running the panel's length and width. The shared corners align and join the X-shaped cross panels with the X-shaped cross panels of their cater-cornered neighbors, creating diagonal braces that run across the entire panel.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/04975

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : B44F 7/00, 9/00		
US CL : 52/516, 316, 660, 630; 428/116, 117, 118, 188, 131, 134		
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) U.S. : 52/516, 316, 660, 630; 428/116, 117, 118, 188, 131, 134		
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)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,889,758 A (Rinkewich) 26 December 1989	None
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A	US 5,030,501 A (Colvin et al.) 9 July 1991	None
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search		Date of mailing of the international search report
28 October 2005 (28.10.2005)		05 DEC 2006
Name and mailing address of the ISA/US		Authorized officer
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