

Title (en)  
COMPRESSIBLE STRUCTURAL PANEL

Title (de)  
NACHGIEBIGES STRUKTURELLES PANEEL

Title (fr)  
PANNEAU STRUCTUREL COMPRESSIBLE

Publication  
**EP 1276938 A4 20040317 (EN)**

Application  
**EP 01928749 A 20010423**

Priority  
• US 0112998 W 20010423  
• US 19920800 P 20000424

Abstract (en)  
[origin: WO0181684A2] A structural panel for use in building structures or in the formation, finish or decoration thereof includes an outer sheet and a connector sheet with a plurality of collapsible or compressible dividers therebetween. The panel in a rest condition is expanded and of a desired thickness for final use but can be compressed into a relatively thin thickness or profile for shipping purposes. The panel is very lightweight but structurally strong and can be selectively bent in one transverse direction if desired. The panel can be easily cut or formed into any predetermined size or shape.  
[origin: WO0181684A2] A structure panel (50) for use in building structures or in the formation, finish or decoration thereof includes an outer sheet (54) and a connector sheet (56) with a plurality of collapsible or compressible dividers (52) therebetween. The panel in a rest condition is expanded and of a desired thickness for final use but can be compressed into a relatively thin thickness or profile for shipping purposes. The panel is very lightweight but structurally strong and can be selectively bent in one transverse direction if desired. The panel can be easily cut into an predetermined size or shape.

IPC 1-7  
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IPC 8 full level  
**E04C 2/32** (2006.01); **B31D 3/00** (2006.01); **E04B 9/00** (2006.01); **E04B 9/04** (2006.01); **E04B 9/26** (2006.01); **E04C 2/22** (2006.01); **E04C 2/34** (2006.01)

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Citation (search report)  
• [X] US 5992127 A 19991130 - QUINIF EDWARD G [US]  
• [XA] CH 362824 A 19620630 - FEUERBACH GABRIEL [FR]  
• [PX] WO 0112911 A2 20010222 - HUNTER DOUGLAS [US], et al  
• See references of WO 0181684A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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**WO 0181684 A2 20011101**; **WO 0181684 A3 20020207**; AT E330086 T1 20060715; AU 2001255574 B2 20060615; AU 5557401 A 20011107; BR 0110170 A 20030311; CA 2402132 A1 20011101; CN 100379931 C 20080409; CN 1246553 C 20060322; CN 1439074 A 20030827; CN 1800558 A 20060712; CN 1924245 A 20070307; CZ 20023525 A3 20030312; DE 60120678 D1 20060727; DE 60120678 T2 20070614; DK 1276938 T3 20061016; EP 1276938 A2 20030122; EP 1276938 A4 20040317; EP 1276938 B1 20060614; ES 2264445 T3 20070101; HK 1058386 A1 20040514; IL 151766 A0 20030410; IL 151766 A 20070617; JP 2003531325 A 20031021; KR 100482918 B1 20050414; KR 20030013390 A 20030214; MX PA02010454 A 20030606; MY 131812 A 20070928; NO 20025110 D0 20021024; NO 20025110 L 20021024; PL 358007 A1 20040809; PT 1276938 E 20061031; RU 2002128602 A 20040227; RU 2005124823 A 20070210; RU 2266375 C2 20051220; TR 200202409 T2 20030321; TR 200501818 T2 20061221; TW 510941 B 20021121; US 2002020142 A1 20020221; US 2002053176 A1 20020509; ZA 200207149 B 20030905

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