

Title (en)  
Self-carrying plate

Title (de)  
Selbsttragende Platte

Title (fr)  
Panneau autoportant

Publication  
**EP 1074669 A1 20010207 (EN)**

Application  
**EP 99500135 A 19990802**

Priority  
EP 99500135 A 19990802

Abstract (en)  
The innovative SELF-CARRYING PLATE is composed of a sheet with a polygonal geometric shape composed of a central flat rolled area (1) equipped with layered ledges (2) framing the central area of the plate (1), connecting on each edge of the flat polygonal piece some grooves (3) with edging on ends (4) of finished comers (5) that are positioned on the same plane as the central laminate area (1). The grooves (3) are positioned consecutively or alternately, each section being constituted generically in the shape of a "U" or inverted "U". The grooves also have supports (6) composed of a prolongation of the groove (3), but considerably smaller, i.e., slightly lower at the point of union. When the SELF-CARRYING PLATE is triangular in shape, another means of connection is used composed of a hexagonal cover (7) equipped with several vertical decks (10) protruding radially on the bottom, each of which is associated with a union element (8) of a tubular configuration into which the groove assembly pieces are inserted. On the top of the hexagonal cover there is a slightly larger rubber sealing piece (9) which exerts pressure on the angle and seals the hexagonal joint. <IMAGE>

IPC 1-7  
**E04C 2/08**; **E04F 13/18**

IPC 8 full level  
**E04C 2/08** (2006.01); **E04F 13/18** (2006.01)

CPC (source: EP)  
**E04C 2/08** (2013.01); **E04F 13/18** (2013.01)

Citation (search report)  
• [A] DE 29502332 U1 19950511 - RAUDAN PANIAGUA JUAN IGNACIO [AD]  
• [A] DE 1509301 A1 19690604 - HOECHST AG

Cited by  
FR3124406A1; WO2022269210A1

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

DOCDB simple family (publication)  
**EP 1074669 A1 20010207**

DOCDB simple family (application)  
**EP 99500135 A 19990802**