

Title (en)
Transparent plastic panel

Title (de)
Lichtdurchlässiges Plattenelement aus Kunststoff

Title (fr)
Panneau transparent en plastique

Publication
EP 0899393 A3 20000524 (DE)

Application
EP 98890244 A 19980820

Priority
AT 144497 A 19970827

Abstract (en)
[origin: EP0899393A2] The transparent panel (1) comprises a base (3) of transparent thermoplastic plastic sheet (4) with hollow chambers (8) enclosed in an outer frame (2). The plastic frame (2) is integrated with the base, seals the open ends of the hollow chambers and is made of a plastic with a lower melting point (m.pt) than that of the sheet (4). An Independent claim is made for manufacturing the transparent panel, in which hollow chamber plates (3) are cut to size, arranged next to each other with the open ends on opposite sides of the plate, heated to dry the chambers (8) and placed in a tool for molding the edge frame (2). The plate edges (9) are compressed during tool closure and a plastic with a lower m.pt. than the plate is injected to form the frame.

IPC 1-7
E04C 2/54; **E04D 3/06**

IPC 8 full level
E04C 2/54 (2006.01); **E04D 3/06** (2006.01); **E04D 3/08** (2006.01)

CPC (source: EP US)
E04C 2/543 (2013.01 - EP US); **E04D 3/06** (2013.01 - EP US); **E04D 3/08** (2013.01 - EP US); **Y10T 428/239** (2015.01 - EP US)

Citation (search report)

- [A] DE 8605288 U1 19860417
- [A] DE 2802179 A1 19790726 - ESSMANN KG HEINZ
- [A] EP 0083030 A1 19830706 - ROEHM GMBH [DE]

Designated contracting state (EPC)
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