

Title (en)
TERRACE SKYLIGHT WITH MANY GLASS UNIT PANELS

Title (de)
TERRASSENBERLICHT MIT VIELEN GLASSCHEIBEN

Title (fr)
LANTERNEAU DE TERRASSE AVEC DE NOMBREUX PANNEAUX EN VERRE

Publication
EP 3705658 A1 20200909 (EN)

Application
EP 19217336 A 20191218

Priority
PL 42917519 A 20190307

Abstract (en)
The skylight contains a support frame (2), the inner surface of which is divided in a grid arrangement by beams (3) and the rectangular fields separated between them are covered by panels (1) of glass units with at least one inter-glass chamber, limited by the centrifugal distance from the edges of the inner glass (7) spacers (4). The panels (1) are pressed against the support surfaces (P) located in the common plane (O-O) on the upper walls of the beams (3), by screw connectors (8) and seals (9, 10). Along the median symmetry plane of the beams (3), holes are made in their upper and lower walls, through which screw holes (8) are routed through the holes in the upper wall, pressing against the support surfaces (P), the edge areas of the internal glass (5) covered by seals lower (9) and upper (10) and from above through rigid termination bar (11). The bolt pins (8) between the support surface (P) and the pressure strip (11) are covered by flexible sleeves (12). The inter-panel chambers (X) above the termination bar are filled with thermal insulation material (13), preferably lightweight concrete. The slots (s) between the edges of the outer glass (7) are closed by a seal (14) of a one-component polyurethane mass, and the holes (15) in the bottom walls of the beams (3) are closed by detachably pressed plugs (16).

IPC 8 full level
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Citation (applicant)
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• EP 1020578 A2 20000719 - SCHUECO INT KG [DE]
• PL 201511 B1 20090430 - SCHUECO INT KG [DE]
• RU 163667 U1 20160727

Citation (search report)
• [A] US 5291705 A 19940308 - DICKERSON GARY O [US]
• [A] US 9920532 B1 20180320 - CONKLIN WAYNE [US]
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• [A] US 4850167 A 19890725 - BEARD PHILIP W [US], et al

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