

Title (en)
WALL CONSTRUCTION USING HOLLOW GLASS BUILDING ELEMENTS

Title (de)
WANDAUFBAU MIT HOHLEN GLASSBAUELEMENTEN

Title (fr)
CONSTRUCTION DE PAROI AU MOYEN D'ELEMENTS DE CONSTRUCTION CREUX EN VERRE

Publication
EP 1576242 A1 20050921 (EN)

Application
EP 03781151 A 20031212

Priority
• PL 0300141 W 20031212
• PL 35784402 A 20021218
• PL 36201103 A 20030905

Abstract (en)
[origin: WO2004055288A1] The construction unit to be used in erecting both flat and arched profiled walls consists of supporting elements being the horizontal and vertical fasteners (1 and 2) in a form of joined blocks, which on their frontal sides are provided with longitudinal holes (7 and 12) with mortises (10), whereas on the lateral sides of the vertical fasteners (2) they are provided with transverse holes (13) overlapping with the holes (7) of the horizontal fasteners (1), in these holes the treaded fasteners combining the entire construction are being mounted. The longitudinal holes (7 and 12) with mortises (10) of the fasteners may be given a form of the grooved recesses (7a and 12a) with mortises (10a). On both external sides, to the horizontal and vertical fasteners -profiled slats (3) are being fixed, edges (16) of which are somewhat advanced outside the lateral edges (17 and 18) of these fasteners. The threaded fastener is composed of a stud-bolt (4) and a longitudinal nut (5) co-operating with it. The horizontal fast has a length (a) preferably equal to the length (b) of the glass hollow tile (6), whereas the transverse holes (13) of the vertical fastener are situated in relation to the frontal surfaces (25), containing each other after the assembly, at a distance (s) equal to the sum of a half of height (h) of the hollow tile and a half of thickness (d) of the horizontal fastener. In order to construct arched profiled walls, the unit is provided with the distance pads (20) in a form of tongues, mounted in front of the convex section, between the side surfaces (21) of the vertical fastener and the frontal surfaces (22) of the horizontal fastener.

IPC 1-7
E04C 1/42; **E04B 2/10**

IPC 8 full level
E04C 1/42 (2006.01); **E04B 2/02** (2006.01)

CPC (source: EP US)
E04C 1/42 (2013.01 - EP US); **E04B 2002/0254** (2013.01 - EP US)

Citation (search report)
See references of WO 2004055288A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004055288 A1 20040701; AU 2003287112 A1 20040709; BR 0316742 A 20051018; CA 2513420 A1 20040701; EA 006994 B1 20060630; EA 200500949 A1 20051229; EP 1576242 A1 20050921; JP 2006511745 A 20060406; NO 20053476 L 20050715; UA 84138 C2 20080925; US 2006010810 A1 20060119

DOCDB simple family (application)
PL 0300141 W 20031212; AU 2003287112 A 20031212; BR 0316742 A 20031212; CA 2513420 A 20031212; EA 200500949 A 20031212; EP 03781151 A 20031212; JP 2005508294 A 20031212; NO 20053476 A 20050715; UA 2005006899 A 20031212; US 53915305 A 20050616