

Title (en)

FRAMED PLANAR LOAD-BEARING ELEMENT, AND FRAME PROFILE FOR SUCH A FRAMED PLANAR LOAD-BEARING ELEMENT

Title (de)

GERAHMTES FLÄCHENTRAGELEMENT SOWIE RAHMENPROFIL FÜR EIN DERARTIGES GERAHMTES FLÄCHENTRAGELEMENT

Title (fr)

ELEMENT PLAT ENCADRE ET PROFILE D'ENCADREMENT POUR CET ELEMENT DE SUPPORT PLAT ENCADRE

Publication

**EP 1987220 A1 20081105 (DE)**

Application

**EP 07722841 A 20070219**

Priority

- EP 2007001401 W 20070219
- DE 202006002740 U 20060221

Abstract (en)

[origin: WO2007096108A1] A framed planar load-bearing element (3) has a profile frame (2) peripherally surrounding it. A peripheral edge portion (6) of the planar load-bearing element (3) is received in a receiving portion (7). The edge portion (6) is peripherally spaced apart from bounding walls (11 to 13) of the receiving portion (7) both parallel and perpendicular to a load-bearing element plane (14) pre-defined by the planar load-bearing element (3). Consequently, a peripheral receiving chamber (15) is formed between the edge portion (6) and the bounding walls (11 to 13) of the profile frame (2). Arranged opposite one another on both sides of the load-bearing element plane (14) are sealing profiles (16, 17) which seal visible sides (18, 19) of the profile frame (2) with respect to the edge portion (6). Arranged separately to the sealing profiles (16, 17) is a peripherally bearing sealing element (21) made of a material which is soft as compared with a frame profile (1) of the profile frame (2). The sealing element (21) seals at least one of the bounding walls (12) peripherally with respect to the planar load-bearing element (3). The receiving chamber (5) is thus divided into at least two chamber portions (27, 28) in a plane of separation (26) which extends parallel to the load-bearing element plane (14). A thickness (S) of the sealing element (21) at the point where said element separates the chamber portions (27, 28) from one another is less than half as much as a thickness (D) of the edge portion (6) of the planar load-bearing element (3) perpendicular to the load-bearing element plane (14). The result is a framed planar load-bearing element whose heat-insulating effect is improved by virtue of the convection-inhibiting sealing element.

IPC 8 full level

**E06B 3/22** (2006.01); **E06B 3/54** (2006.01); **E06B 3/62** (2006.01)

CPC (source: EP)

**E06B 3/5409** (2013.01); **E06B 3/6621** (2013.01); **E06B 2003/26332** (2013.01); **E06B 2003/6217** (2013.01)

Citation (search report)

See references of WO 2007096108A1

Citation (third parties)

Third party :

- EP 1744003 A2 20070117 - SALAMANDER IND PRODUKTE GMBH [DE]
- DE 20003060 U1 20000420 - SEUFFERT GUENTHER HERMANN [DE]

Cited by

GB2436848B

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007096108 A1 20070830**; AT E505616 T1 20110415; DE 202006002740 U1 20070705; DE 502007006941 D1 20110526; DK 1987220 T3 20110801; EP 1987220 A1 20081105; EP 1987220 B1 20110413; PL 1987220 T3 20110930

DOCDB simple family (application)

**EP 2007001401 W 20070219**; AT 07722841 T 20070219; DE 202006002740 U 20060221; DE 502007006941 T 20070219; DK 07722841 T 20070219; EP 07722841 A 20070219; PL 07722841 T 20070219