

Title (en)

Insulating glass unit and bearing construction with at least one such insulating glass unit

Title (de)

Isolierglaseinheit und Tragkonstruktion mit mindestens einer derartigen Isolierglaseinheit

Title (fr)

Unité de verre isolant et construction de support dotée d'au moins une telle unité de verre isolant

Publication

EP 2327855 A3 20150114 (DE)

Application

EP 10190959 A 20101112

Priority

DE 202009016113 U 20091126

Abstract (en)

[origin: EP2327855A2] The unit has a border section (2) arranged at an edge of an insulated glass element (1) i.e. vacuum insulated glass element, and mounting the glass element at a support element. The section is connected with glass element by a sealing mass (7). The section is made of plastic with a soft core (12) and a hard outer shell (11). The core is made of light-weight polyurethane foam with heat conductivity of 0.025 Watt per meter square Kelvin. The outer shell is made of polyurethane mixture with a heat conductivity of 0.6 Watt per meter square Kelvin and a shore hardness larger relative to the core.

IPC 8 full level

E06B 3/20 (2006.01); **E06B 3/22** (2006.01)

CPC (source: EP)

E06B 3/20 (2013.01); **E06B 3/221** (2013.01); **E06B 3/6612** (2013.01)

Citation (search report)

- [I] DE 19516486 A1 19961107 - FINGERLING KARL HEINZ [DE]
- [I] DE 29918219 U1 20000817 - RAICO BAUTECHNIK GMBH [DE]

Cited by

DE102019107994A1; CN104769203A; US9845635B2; US9447627B2; WO2020064625A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 202009016113 U1 20110421; EP 2327855 A2 20110601; EP 2327855 A3 20150114; EP 2327855 B1 20180221

DOCDB simple family (application)

DE 202009016113 U 20091126; EP 10190959 A 20101112