

Title (en)

SPACER WITH REINFORCING ELEMENTS

Title (de)

ABSTANDHALTER MIT VERSTÄRKUNGSELEMENTEN

Title (fr)

ESPACEUR POURVU D'ÉLÉMENTS DE RENFORCEMENT

Publication

**EP 3781773 B1 20220316 (DE)**

Application

**EP 19711364 A 20190319**

Priority

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Abstract (en)

[origin: WO2019201530A1] The invention relates to a spacer (1) for insulating glazing units, at least comprising – a polymer hollow profile (1) comprising – a first side wall (2.1) and a second side wall (2.2) arranged parallel thereto, – a glazing cavity wall (3), which connects the side walls (2.1, 2.2) to each other; – an outer wall (4), which is arranged substantially parallel to the glazing cavity wall (3) and connects the side walls (2.1, 2.2,) to each other; – a cavity (5), which is enclosed by the side walls (2.1, 2.2), the glazing cavity wall (3) and the outer wall (4), wherein – a first metal reinforcing element (6.1) is attached to the outside of the polymer hollow profile (1) in a first indentation (7.1) provided for the purpose, so that it encloses the corner between first side wall (2.1) and outer wall (4), – a second metal reinforcing element (6.2) is attached to the outside of the polymer hollow profile (1) in a second indentation (7.2) provided for the purpose, so that it encloses the corner between the second side wall (2.2) and the outer wall (4), – the metal reinforcing elements (6.1, 6.2) are attached in the indentations (7.1, 7.2) in such a way that they each end flush with the side walls (2.1, 2.2) and the outer wall (4), – a gas-tight and moisture-tight barrier film (12) is attached to the first side wall (2.1), the first metal reinforcing element (6.1), the outer wall (4), the second metal reinforcing element (6.2) and the second side wall (2.2) of the polymer hollow body (1), wherein the regions of the two side walls (2.1, 2.2) that adjoin the glazing cavity wall (3) are free of barrier film (12).

IPC 8 full level

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Citation (opposition)

Opponent : Technoform Glass Insulation Holding GmbH

- WO 2012055553 A1 20120503 - TECHNOFORM GLASS INSULATION HOLDING GMBH [DE], et al
- WO 2013104507 A1 20130718 - SAINT GOBAIN [FR]
- EP 0852280 A1 19980708 - SAINT GOBAIN VITRAGE SUISSE AG [CH]
- WO 2015043848 A1 20150402 - SAINT GOBAIN [FR]
- DE 19807454 A1 19990826 - ENSINGER [DE]
- EP 1055046 B2 20070926 - CAPRANO & BRUNNHOFER [DE]
- EP 3241972 A1 20171108 - TECHNOFORM GLASS INSULATION HOLDING GMBH [DE]
- WO 2019201530 A1 20191024 - SAINT GOBAIN [FR]

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