Title (en)

SPACER FOR INSULATING GLASS PANES

Title (de)

ABSTANDHALTER FÜR ISOLIERGLASSCHEIBEN

Title (fr)

ÉLÉMENT INTERCALAIRE POUR VITRAGES ISOLANTS

Publication

EP 3394377 A1 20181031 (DE)

Application

EP 16790401 A 20161104

Priority

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- EP 2016076656 W 20161104

Abstract (en)

[origin: WO2017108241A1] The invention relates to a spacer for insulating glass panes, comprising a profiled body which has a substantially rectangular cross-section and which is designed as a closed profiled hollow section. The profiled body has a first and a second lateral wall which are arranged parallel to each other and at a distance from each other, an inner wall which extends between the first and the second lateral wall, and an outer wall which extends from the first to the second lateral wall and which is arranged at a distance from the inner wall. The outer wall comprises a first wall section, which is oriented substantially parallel to the inner wall, and second and third wall sections arranged on both sides of the first wall section, wherein the second and third wall sections are arranged at an obtuse angle relative to the first wall section and to the respective adjacent lateral wall when seen perpendicularly to the axial direction of the profiled body in the cross-section, and the second and third wall sections adjoin the respective adjacent lateral wall. At least the inner wall, the first and the second lateral wall, and the second and the third wall section of the outer wall are made of a first plastic material. The spacer further comprises a single-piece primary reinforcement element which extends from the first lateral wall to the second lateral wall over the outer wall and which is designed as a steam diffusion barrier. The aim of the invention is to improve the spacer such that the spacer can be deformed in particular in a cold bending method using conventional systems, offers a heat transmission resistance which is as high as possible, and furthermore can be produced in an economical manner. This is achieved in that the profiled body has a reduced wall thickness in order to form joint locations in the wall regions in which the second and the third wall section of the outer wall adjoin the first and the second lateral wall, respectively.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2017108241A1

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WO 2017108241 A1 20170629; **WO 2017108241 A9 20170908**; CN 108291422 A 20180717; DE 102015122714 A1 20170727; EP 3394377 A1 20181031; RU 2018121061 A 20200123; RU 2018121061 A3 20200123; US 10550628 B2 20200204; US 2018298674 A1 20181018

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