

Title (en)

Plastic straight connector for spacer profiles of insulating glazing

Title (de)

Linearverbinder aus Kunststoff für Abstandhalterprofile von Mehrscheibenisoliervergläsern

Title (fr)

Raccord rectiligne en matière plastique pour profilés intercalaires de vitrages isolants

Publication

**EP 1076150 B1 20040630 (DE)**

Application

**EP 00107398 A 20000405**

Priority

- DE 29913903 U 19990810
- DE 29913899 U 19990810

Abstract (en)

[origin: US6347902B1] The invention concerns a linear connector of plastic material for joining hollow spacing profiles of multiple insulating glasses comprising a longitudinal body having a complete or essentially complete U-configured cross-section for the passage of a hygroscopic powder and being insertable into the hollow space of the one spacing profile as well as the hollow space of the other spacing profile of the two profile bodies to be joined. The surface of the linear connector is provided with abutment elements which are pushed against the opposing front faces of the profile bodies upon the insertion of the linear connector into the profile bodies. Moreover, the surface of the linear connector is provided with blade-like springs in order to create a strong seat between the body and the inner wall of the spacing profiles. In order to avoid deformation already upon the insertion of the linear connector into the hollow space of the spacing profiles on the connector resulting in an essential decrease of the frictional forces developed between its surface and the inner wall of the spacing profile opposite thereto and thus affecting negatively the required strong seat, it is proposed to configure the linear connector such that the blade-like springs extending from the lateral surfaces of the two legs of the U-profile body outwardly are connected by thin bars and that the two parallel legs of the U-profile body are provided on its inner wall with anchoring ribs supported by the bottom plate of the U-profile body.

IPC 1-7

**E06B 3/667**

IPC 8 full level

**E06B 3/667** (2006.01)

CPC (source: EP US)

**E06B 3/667** (2013.01 - EP US); **Y10T 403/55** (2015.01 - EP US); **Y10T 403/559** (2015.01 - EP US); **Y10T 428/24198** (2015.01 - EP US)

Cited by

AU2006275096B2; EP1983139A3; EP1710387A3; US7757455B2; WO2007014720A1; KR101034552B1

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