

Title (en)

Connection joint for mainly semi-hollow and hollow section profiles.

Title (de)

Anschlussverbindung für vorwiegend Halbhohl- und Hohlprofile.

Title (fr)

Jonction pour profils essentiellement creux et demi-ouverts.

Publication

EP 0181285 A1 19860514 (DE)

Application

EP 85810494 A 19851029

Priority

CH 528184 A 19841105

Abstract (en)

1. Connection between a hollow or semi-hollow section (1) and a main section (2) by means of a connecting piece (3) in the form of a section length, casting or forging piece, introduced into the end of the hollow or semi-hollow section (1) and provided with one or more pins engageable through the wall of the main section, characterised by the fact that within the hollow or semi-hollow section (1) the connecting piece (3) can move only in the longitudinal direction of the section, that it is provided with at least two pins (6) engageable in corresponding holes (14) made in the main section (2) and fixable therein by keying means (8) of any suitable form introduced into holes (7) in the pins (6), whereby the connecting piece may be moved within the section (1) by means of a screw (11) slidable along a longitudinal slot (12), so far backwards as to be situated completely within the section (1) which allows the section (1) to be mounted from any side into a prescribed position between two main sections (2) already in place, and that the connecting piece is provided with a gap filler in form of a plastic sealing furniture introduced into the grooves (17) or of a plate (18) of synthetic material applied to the end face of section (1) so that surface (19) of plate (18) is comprised between the base (16) of the connecting piece (3) and a face of main section (2), the said surface (19) presenting passages for the pins (6) as well as overlaps (23) extending over the end of section (1) and assuming, in addition to the function of sealing the joint, also the function of a noise reduction means when relative movements occur between the sections, the connecting piece being fixed to section (1) by means of the screw (11).

Abstract (de)

Diese Anschlussverbindung kommt vorallem in Konstruktionen von Fassaden, Metallglaswänden und Gestellen vor. Kernstück ist das Anschlussstück (3) welches mindestens zwei Steckbolzen (6) aufweist und einenschraubkanal (10). Dieses Anschlussstück ist längs, parallel zur Achse im Halbhohl- oder Hohl- profil verschieblich geführt. Es kann einerseits im Profil (1) vollständig versenkt und anderseits mit der Schraube(11) aus dem Profil(1) herausgeschoben werden. Diese Anordnung erlaubt den Einbau von Profil(1) zwischen zwei fest montierte Grundprofile(2) von beliebiger Seite. Die Steckbolzen(6) werden in die Bohrungen(14) des Profils (2) eingeschoben und mit Stiften(8) befestigt. Die beidseits auf die Stirnfläche von Profil(1) aufgeschobenen Kunststoffplatten(18) schliessen die Nute zwischen Profil(1) und Grundprofil(2) auf den sichtbaren Seiten sauber ab, schützen beim Einbau das Grundprofil(2) vor Kratzern und wirken schalldämpfend. Schliesslich kann das Profil(1) in gewünschter Position mit der Schraube(11) fixiert werden.

IPC 1-7

E04B 2/76; **A47B 47/02**; **E04D 3/08**; **F16B 5/00**; **E06B 3/96**

IPC 8 full level

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CPC (source: EP)

E04B 2/766 (2013.01); **E06B 3/9616** (2013.01); **E06B 3/9642** (2013.01)

Citation (search report)

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