

Title (en)

MECHANICAL CONNECTION FOR PROFILE SECTIONS, HAVING CRADLES INCLUDING MULTIPLE LAYERS OF MATERIALS

Title (de)

MECHANISCHE VERBINDUNG FÜR PROFILABSCHNITTE MIT WIEGEN MIT MEHREREN MATERIALSCHICHTEN

Title (fr)

CONNEXION MÉCANIQUE POUR PROFILÉS, À BERCEAUX COMPRENANT PLUSIEURS COUCHES DE MATÉRIAUX

Publication

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Application

**EP 13803119 A 20131108**

Priority

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- FR 2013052687 W 20131108

Abstract (en)

[origin: WO2014195587A1] The invention relates to a stationary mechanical connection part (1) intended for mechanically and fixedly connecting a first profile section (2a) and a second profile section (2b), which comprises a first cradle (5a), a second cradle (5b), a stationary connection (19) between the cradles (5), wherein said part is overall rigid, is designed such that the first wall (6a) of the first cradle(5a) and the second wall (6b) of the second cradle (5b) is composite and comprises, stacked such as to form a rigid whole, an outer layer portion (10), having high rigidity and high strength similar to those of a rigid and high-strength steel, restricted on one side by an outer free surface and on the other side by an interface for rigidly connecting to an inner layer portion (11); and said inner layer portion (11), which is restricted on one side by an interface for rigidly connecting to the rigid connection interface (13) of the outer layer (10) and on the other side by a free surface forming the back surface of the first cradle (5a) and the second cradle (5b), made of a thermoplastic polyurethane or the like, having good strength and resilient flexibility, such that by means of an application force, the free surface of the inner layer (11) of the lower surface of the cradle (5) is closely engaged with the upper surface of the profile section, like a suction cap, and thus participates in the stationary connection of the stationary mechanical connection part (1) and the profile section.

IPC 8 full level

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