

Title (en)

Modular system and joint for the construction of extensive frameworks

Title (de)

Modulares System und Verbindung für die Konstruktion von Rahmenwerken

Title (fr)

Système modulaire et connexion pour la construction des structures

Publication

EP 1605111 B1 20070718 (EN)

Application

EP 05104955 A 20050607

Priority

- IT FI20040130 A 20040610
- IT FI20040131 A 20040610

Abstract (en)

[origin: EP1605111A1] System for the construction of a extensive framework joining a plurality of linear elements (T) by means of connecting joints of the ends of the linear elements (T), wherein at least the following components are used: shaped pieces (11) associated or to be associated to said linear elements (T) so as to project longitudinally from the ends of the same; in order to form each of said joints, a tubular core (1) with a polygonal section defining a completely free internal cavity and longitudinal corner edges, to be arranged so that the axes of the linear elements (T) converging in the joint substantially meet respective corner edges and the longitudinal axis (X) of said core (1), one or more collars (2), which take the polygonal form of said core (1), to be tightened around the core and provided with substantially plate-shaped wings (21) projecting radially from respective corner edges, one for each of the linear elements (T) converging in the joint, and substantially C-shaped arms (3) to be arranged on the outside of the collars, each between two consecutive wings (21), with the concavity facing the outside, end segments (3a) of said arms being placed against respective wings (21) and engaged with the pieces (11) of the linear elements (T) and with the wings (21).

IPC 8 full level

E04B 1/19 (2006.01); **E04G 3/00** (2006.01); **E04G 23/00** (2006.01)

CPC (source: EP)

E04B 1/1909 (2013.01)

Cited by

RU2688381C1; WO2015024537A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1605111 A1 20051214; EP 1605111 B1 20070718; AT E367487 T1 20070815; DE 602005001660 D1 20070830

DOCDB simple family (application)

EP 05104955 A 20050607; AT 05104955 T 20050607; DE 602005001660 T 20050607