

Title (en)

FIXING MEANS DESIGNED TO CONNECT ELEMENTS OF ANY TYPE, IN PARTICULAR FOR WOODEN CONSTRUCTIONS

Title (de)

ZUR VERBINDUNG VON ELEMENTEN BELIEBIGER ART, INSBESONDERE FÜR HOLZKONSTRUKTIONEN, AUSGEFÜHRTE BEFESTIGUNGSELEMENTE

Title (fr)

MOYAEN DE FIXATION DESTINE A RELIER DES ELEMENTS QUELCONQUES NOTAMMENT POUR DES CHARPENTES EN BOIS

Publication

EP 1381783 A1 20040121 (FR)

Application

EP 02753734 A 20020321

Priority

- FR 0200996 W 20020321
- FR 0104007 A 20010326

Abstract (en)

[origin: WO02077465A1] The invention relates to a fixing means which is designed to connect elements of any type and, in particular, for wooden constructions. According to the invention, the internal, one-piece fixing means comprises a metal component (2) which is positioned between at least two elements to be assembled (1), said elements being made from any material. The metal component (2) is inserted in a fixed, unchanging and definitive manner using suitably-designed quick-penetration nails (3). The nails are carefully distributed in terms of quantity and positioning on either side of the elements to be assembled (1) according to the resistance to be obtained. The nails maintain the elements under pressure, said nails being instantaneously soldered to the metal component (2). In this way, elements 1, 2 and 3 are fixed together definitively and rigidly and they cannot be disassembled, thereby preventing any movement and making the assembly resistant to bad weather, environmental loads and variations and seismic constraints without requiring the use of any other additional fixing means. The inventive fixing means is designed to connect elements (1) of any type which can be made from any type of material, and, in particular, to produce wooden constructions.

IPC 1-7

F16B 15/00; F16B 5/08

IPC 8 full level

E04B 1/26 (2006.01); **F16B 15/00** (2006.01)

CPC (source: EP)

E04B 1/2604 (2013.01); **F16B 15/0053** (2013.01); **E04B 2001/2616** (2013.01); **E04B 2001/2644** (2013.01); **E04B 2001/2672** (2013.01)

Citation (search report)

See references of WO 02077465A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02077465 A1 20021003; EP 1381783 A1 20040121; FR 2822504 A1 20020927; FR 2822504 B1 20030509

DOCDB simple family (application)

FR 0200996 W 20020321; EP 02753734 A 20020321; FR 0104007 A 20010326