

Title (en)

Anchoring device for at least one tension member in a sleeve and installation method for the anchoring device

Title (de)

Spannverankerung für mindestens ein innerhalb eines Hüllrohres verlaufendes Zugelement und Verfahren zum Herstellen der Spannverankerung

Title (fr)

Dispositif d'ancrage d'au moins une armature de précontrainte dans une gaine et procédé pour monter le dispositif d'ancrage

Publication

EP 0606820 B1 19970312 (DE)

Application

EP 93810009 A 19930111

Priority

EP 93810009 A 19930111

Abstract (en)

[origin: EP0606820A1] In the case of a stressing anchorage means for tension elements (3) running within a sheath, an anchor plate (8) having a circular opening (9) is laid on an outer wall (41) of a structural part (1). A region, of the opening, which is remote from the structural part exhibits a cone (10) which opens outwards. A plastic trumpet (12) is welded, at its end located in the structural part, to the sheath, which likewise consists of plastic. The outer end of the trumpet is approximately flush with that end side of the anchor plate which is remote from the structural part. An intermediate piece (16) projects into the trumpet by means of a protrusion (17), the outer casing surface of which is configured as a truncated cone (18). By means of the truncated cone, the outer end of the trumpet is pressed against the cone of the anchor plate and fixed in an annular gap between said truncated cone and said cone once the anchor bush has been positioned on the intermediate piece and the stressing strands (4) of the individual tension elements have been prestressed and are retained by the clamping wedges (15). The fact that, during the production of the stressing anchorage means, first of all the inner end of the trumpet is welded to the sheath and the outer end of the trumpet projects out of the structural part, and is only cut back to the necessary length when the stressing anchorage means is fitted, results in the convenient compensation of length tolerances in a transition zone between structure and stressing cable and/or between the sheath end and the outer wall of the structure. One embodiment variant shows a correspondingly constructed, electrically insulated stressing anchorage means. <IMAGE>

IPC 1-7

E04C 5/12

IPC 8 full level

E02D 5/74 (2006.01); **E04C 5/12** (2006.01)

CPC (source: EP US)

E04C 5/122 (2013.01 - EP US); **Y10T 24/3909** (2015.01 - EP US)

Cited by

DE102011105061B4; DE202004007409U1; CN113897953A; DE102016014768A1; WO2018103871A1; US10677105B2

Designated contracting state (EPC)

AT CH DE FR GB LI

DOCDB simple family (publication)

EP 0606820 A1 19940720; **EP 0606820 B1 19970312**; AT E150123 T1 19970315; AU 5313594 A 19940714; AU 666994 B2 19960229; DE 59305764 D1 19970417; JP H07109789 A 19950425; US 5469677 A 19951128

DOCDB simple family (application)

EP 93810009 A 19930111; AT 93810009 T 19930111; AU 5313594 A 19940111; DE 59305764 T 19930111; JP 96994 A 19940110; US 18014494 A 19940111