

Title (en)

Device for positioning and anchoring a tensioning rod with a precise position and angle

Title (de)

Vorrichtung zum lage- und winkelgenauen Positionieren und Verankern eines Spannstabes

Title (fr)

Dispositif de positionnement et d'ancrage à position et angle précis d'une barre de tension

Publication

EP 2096223 A3 20120606 (DE)

Application

EP 09405036 A 20090226

Priority

CH 2882008 A 20080227

Abstract (en)

[origin: EP2096223A2] The device has a supporting plate (5) for fitting and alignment of the device on an armor. A guide pipe (7) is connected with the supporting plate. Thread elements i.e. inner thread, are provided at a lower end (11) of the guide pipe for screwing a tensioning rod (1) provided with a thread section. The plate and the pipe are manufactured from plastic as a single piece. A nut made of metal is inserted or fitted into the guide pipe. An upper end (9) of the guide pipe is closed by a break-through or detachable cover (13).

IPC 8 full level

E04C 5/12 (2006.01); **E04G 21/12** (2006.01)

CPC (source: EP)

E04C 5/12 (2013.01); **E04G 21/12** (2013.01)

Citation (search report)

- [XYI] CH 692425 A5 20020614 - ALBANESE GIULIO [CH]
- [Y] DE 19633594 A1 19980226 - WAYSS & FREYTAG AG [DE]
- [Y] DE 4234892 A1 19940519 - BISANI KARL [DE]
- [A] EP 0943745 A2 19990922 - ALBANESE GIULIO [CH]
- [A] DE 202004020274 U1 20050324 - BETOMAX KUNSTSTOFF METALL [DE]

Cited by

US2021381239A1; US2022372761A1; US11680407B2; US12018488B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2096223 A2 20090902; EP 2096223 A3 20120606; EP 2096223 B1 20160629; EP 2977520 A1 20160127; EP 2977520 B1 20170426

DOCDB simple family (application)

EP 09405036 A 20090226; EP 15183254 A 20090226