

Title (en)

ANCHORING DEVICE FOR A TENSIONING ROD COMPOSED OF A FIBRE COMPOSITE

Publication

EP 0363779 B1 19920506 (DE)

Application

EP 89118239 A 19891002

Priority

DE 3834266 A 19881008

Abstract (en)

[origin: JPH02147749A] PURPOSE: To increase the strength by providing an intermediate layer formed of a material which is less in stress increase and largely deformable when an overload is generated between a tension member and a fixing device. CONSTITUTION: An anchoring rod 1 is inserted into a bored hole in an open surface, and tightened by a fixing nut 5 through an anchoring plate to fix the anchoring rod 1. When the tension is applied to the anchoring rod 1 from the direction of an arrow 12, and the overload occurs while the nut 5 is supported by the plate, a laminated part 11 larger in elongation than the anchoring rod 1 is deformed to absorb the overload.

IPC 1-7

E04C 5/07; **E04C 5/12**

IPC 8 full level

E04C 5/07 (2006.01); **E04C 5/12** (2006.01); **E04G 21/12** (2006.01)

CPC (source: EP US)

E04C 5/07 (2013.01 - EP US); **E04C 5/125** (2013.01 - EP US); **Y10T 403/47** (2015.01 - EP US); **Y10T 403/472** (2015.01 - EP US); **Y10T 403/473** (2015.01 - EP US)

Cited by

EP0560362A3; EP1828477A4

Designated contracting state (EPC)

AT CH DE FR GB LI

DOCDB simple family (publication)

EP 0363779 A1 19900418; **EP 0363779 B1 19920506**; AT E75798 T1 19920515; DE 3834266 A1 19900412; DE 58901333 D1 19920611; JP H02147749 A 19900606; JP H083237 B2 19960117; US 4958961 A 19900925

DOCDB simple family (application)

EP 89118239 A 19891002; AT 89118239 T 19891002; DE 3834266 A 19881008; DE 58901333 T 19891002; JP 25895089 A 19891005; US 41915189 A 19891010