

Title (en)
ANCHORING DEVICE FOR A CORROSION-PROTECTED TRACTIVE MEMBER, IN PARTICULAR AN OBLIQUE CABLE FOR A CABLE-STAYED BRIDGE

Title (de)
VERANKERUNGSVORRICHTUNG FÜR EIN KORROSIONSGESCHÜTZTES ZUGGLIED, INSBESONDERE SCHRÄGSEIL FÜR EINE SCHRÄGSEILBRÜCKE

Title (fr)
DISPOSITIF D'ANCRAGE POUR UN ELEMENT DE TRACTION PROTEGE CONTRE LA CORROSION, NOTAMMENT UN CABLE INCLINE DE PONT HAUBANE

Publication
EP 1490554 A1 20041229 (DE)

Application
EP 03718723 A 20030402

Priority
• DE 20205149 U 20020403
• EP 0303428 W 20030402

Abstract (en)
[origin: US2005066595A1] An anchoring device for a corrosion-protected tension member includes an anchor body, which is provided with bores for the passage of the tension elements. Sealing discs, which can be compressed by means of a pressure plate and threaded bolts, are provided on a face of the anchor body and lie opposite a downstream face. A perforated disc, which is enclosed by two supporting discs, is located downstream of the sealing discs and the pressure plate. The perforated disc acts as a spacer for the tension elements and is fixed between lugs that are opposite an anchor tube and that is connected to the anchor body. The locking of the perforated disc enables the position of the tension elements to remain parallel, even when the sealing discs are compressed to activate the seal. If individual tension elements have to be replaced, the loosening of the threaded bolts allows the sealing discs to "breathe" and to return to their original position.

IPC 1-7
E01D 19/14; **E04C 5/12**

IPC 8 full level
E01D 11/02 (2006.01); **E01D 19/14** (2006.01); **E04C 5/12** (2006.01)

CPC (source: EP US)
E01D 19/14 (2013.01 - EP US); **E04C 5/122** (2013.01 - EP US)

Citation (search report)
See references of WO 03083216A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2005066595 A1 20050331; **US 7181890 B2 20070227**; AT E484628 T1 20101015; AU 2003222790 A1 20031013; DE 20205149 U1 20020704; DE 50313183 D1 20101125; EP 1490554 A1 20041229; EP 1490554 B1 20101013; ES 2354262 T3 20110311; JP 2005521811 A 20050721; JP 4257216 B2 20090422; PT 1490554 E 20101221; WO 03083216 A1 20031009

DOCDB simple family (application)
US 95602804 A 20041004; AT 03718723 T 20030402; AU 2003222790 A 20030402; DE 20205149 U 20020403; DE 50313183 T 20030402; EP 0303428 W 20030402; EP 03718723 A 20030402; ES 03718723 T 20030402; JP 2003580637 A 20030402; PT 03718723 T 20030402