

Title (en)

METHOD FOR INSTALLING ANCHORS AND AN ANCHOR WHICH CAN BE USED ACCORDING TO SAID METHOD

Title (de)

VERFAHREN ZUM SETZEN VON ANKERN UND BEI DIESEM VERFAHREN VERWENDBARER ANKER

Title (fr)

PROCEDE POUR INSTALLER DES BOULONS D'ANCRAGE ET BOULON D'ANCRAGE UTILISABLE AVEC LEDIT PROCEDE

Publication

EP 1828487 A1 20070905 (DE)

Application

EP 05809165 A 20051124

Priority

- AT 2005000475 W 20051124
- AT 21642004 A 20041223

Abstract (en)

[origin: WO2006066288A1] The invention relates to an anchor comprising a pipe (1) which is folded in the longitudinal direction and an end piece (13) which can be opened under pressure and which is provided on the end of the anchor which is arranged inside the borehole. Said anchor is introduced into the borehole and is enlarged by using internal pressure which unfolds the pipe (1) until said pipe (1) is arranged on the friction fit and/or form fit on the borehole. Then, the pressure in the anchor is increased such that the front end (15) of the end piece (13) is separated and the hardened material is injected through the anchor into the borehole in order to fill the cavities in the region of the end of the anchor which is arranged in the base of the borehole and in the base (ground, rock) wherein the anchor is fixed, and cavities or crevices are located in the adjacent base. A hydraulically binding material based on cement can be used, in particular, as a hardened material.

IPC 8 full level

E02D 5/76 (2006.01)

CPC (source: EP KR US)

E02D 5/76 (2013.01 - EP US); **E21D 20/00** (2013.01 - KR); **E21D 20/02** (2013.01 - KR); **E21D 20/028** (2013.01 - EP US); **E21D 21/00** (2013.01 - KR); **E21D 21/0073** (2016.01 - EP US); **F16B 13/04** (2013.01 - KR)

Citation (search report)

See references of WO 2006066288A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

HR YU

DOCDB simple family (publication)

WO 2006066288 A1 20060629; AT 501441 A2 20060915; AT 501441 A3 20091215; AU 2005300238 A1 20060713; BR PI0506590 A 20070502; CA 2552700 A1 20060629; CN 1922365 A 20070228; EP 1828487 A1 20070905; IL 176115 A0 20080209; JP 2007519838 A 20070719; JP 4146878 B2 20080910; KR 20070089895 A 20070904; RU 2317374 C1 20080220; US 2008110640 A1 20080515; ZA 200604867 B 20071128

DOCDB simple family (application)

AT 2005000475 W 20051124; AT 21642004 A 20041223; AU 2005300238 A 20051124; BR PI0506590 A 20051124; CA 2552700 A 20051124; CN 200580001756 A 20051124; EP 05809165 A 20051124; IL 17611506 A 20060604; JP 2006549764 A 20051124; KR 20067018424 A 20060908; RU 2006124742 A 20051124; US 57939206 A 20060712; ZA 200604867 A 20051124