

Title (en)

METHOD FOR AT LEAST PARTIALLY REMOVING AN ANCHOR

Title (de)

VERFAHREN ZUM ZUMINDEST TEILWEISEN AUSBAU EINES ANKERS

Title (fr)

PROCEDE DE DEMONTAGE AU MOINS PARTIEL D'UNE ANCRE

Publication

EP 2998447 B1 20171004 (DE)

Application

EP 15192785 A 20100325

Priority

- EP 15192785 A 20100325
- EP 10711318 A 20100325
- CH 2010000086 W 20100325

Abstract (en)

[origin: WO2011116483A2] The device for an at least partially removable anchor comprises at least one tension member (9) that can be pre-loaded and an induction coil (16) surrounding the tension member for disconnecting the tension member at a disconnection point (12) by inductive heating. The induction coil (16) is arranged on a carrier pipe (15), which is sealed (17, 20) on the side of the disconnection point (12) facing the part (7) of the tension member that can be pre-loaded. The area between the induction coil (16) and the disconnection point (12) is free from an electrically conducting metal pipe. In order to at least partially remove the anchor, the tension member (9) is pre-loaded during the heating process with a force that corresponds to at least 10%, preferably at least 25%, and especially preferably at least 50% of the fracture force of the tension member at 0 degrees Celsius.

IPC 8 full level

E02D 5/76 (2006.01)

CPC (source: EP)

E02D 5/765 (2013.01)

Citation (examination)

- JP 2005248587 A 20050915 - ANDERSON TECHNOLOGY KK
- US 2010050546 A1 20100304 - MAEKAWA TOMOYA [JP], et al
- JP S58110719 A 19830701 - CHEMICAL GROUT CO

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2011116483 A2 20110929; WO 2011116483 A3 20120308; EP 2550404 A2 20130130; EP 2550404 B1 20170712; EP 2998447 A1 20160323; EP 2998447 B1 20171004

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