

Title (en)

DEVICE FOR AN AT LEAST PARTIALLY REMOVABLE ANCHOR AND METHOD FOR AT LEAST PARTIALLY REMOVING AN ANCHOR

Title (de)

VORRICHTUNG FÜR EINEN ZUMINDEST TEILWEISE AUSBAUBAREN ANKER UND VERFAHREN ZUM ZUMINDEST TEILWEISEN AUSBAU EINES ANKERS

Title (fr)

DISPOSITIF POUR UN ANCRAGE AU MOINS PARTIELLEMENT DÉMONTABLE, ET PROCÉDÉ DE DÉMONTAGE AU MOINS PARTIEL D'UN ANCRAGE

Publication

EP 2550404 B1 20170712 (DE)

Application

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Priority

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

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CPC (source: EP)

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