

Title (en)

DEVICE AND METHOD FOR RELEASING A STRESSING STRAND

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ENTSPANNEN EINER SPANNLITZE

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR DÉTENDRE UN FIL DE PRÉCONTRAINTÉ

Publication

EP 3921494 A1 20211215 (DE)

Application

EP 20705296 A 20200204

Priority

- DE 102019102688 A 20190204
- EP 2020052653 W 20200204

Abstract (en)

[origin: WO2020161091A1] The invention relates to a device (200, 300) and a method (1000) for releasing a stressing strand, in particular a stressing strand (400) of a prestressed tower, preferably a prestressed concrete tower (102) of a wind turbine (100). The invention also relates to a method for dismantling a prestressed tower and to the use of a device (200, 300). The device (200, 300) comprises: a first anchoring unit (210, 310) having a first stressing strand receptacle (213, 313) for a first portion of the stressing strand (400); a second anchoring unit (220, 320) having a second stressing strand receptacle (223, 323) for a second portion of the stressing strand (400); and a lifting unit (240, 340) which is designed to modify a distance (A1, A2) between the first and second anchoring unit (210, 220, 310, 320).

IPC 8 full level

E04H 12/16 (2006.01); **E04G 21/12** (2006.01)

CPC (source: EP US)

E04G 21/121 (2013.01 - US); **E04H 12/16** (2013.01 - EP US); **F05B 2230/70** (2013.01 - US); **Y02E 10/72** (2013.01 - EP)

Citation (search report)

See references of WO 2020161091A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102019102688 A1 20200806; CN 113423903 A 20210921; EP 3921494 A1 20211215; US 2022010577 A1 20220113; WO 2020161091 A1 20200813

DOCDB simple family (application)

DE 102019102688 A 20190204; CN 202080012738 A 20200204; EP 2020052653 W 20200204; EP 20705296 A 20200204; US 202017427486 A 20200204