

Title (en)
DEVICE FOR RETAINING A LIFTING ANCHOR FOR A WORKPIECE MADE OF CONCRETE

Title (de)
VORRICHTUNG ZUM HALTEN EINES HEBEANKERS FÜR EIN WERKSTÜCK AUS BETON

Title (fr)
DISPOSITIF DE MAINTIEN D'UN ANCRAGE DE LEVAGE POUR UNE PIÈCE EN BÉTON

Publication
EP 3880421 C0 20240501 (DE)

Application
EP 19802040 A 20191106

Priority
• AT 509692018 A 20181112
• AT 2019060377 W 20191106

Abstract (en)
[origin: WO2020097649A1] The invention relates to a device for retaining a lifting anchor (6) for a workpiece made of concrete during the vibration compacting of the concrete introduced into a mould for the production of the workpiece, comprising a frame (2) provided on a mould wall (1), which has an accommodating means (4) for the anchor head (10) of the lifting anchor (6) which can be moved by means of an actuator (12), transverse to the mould wall (1), between a working position and a release position, and which, in the working position of the accommodating means (4), penetrates a mould protrusion (7) closing an opening (8) in the mould wall (1) and forming a recess (9) in the workpiece, and comprising an electromagnet (13) provided in the accommodating means (4), arranged coaxially relative to the lifting anchor (6) and magnetically securing the anchor head (10) on the end side. In order to ensure advantageous release conditions, according to the invention, the core (14) of the electromagnet (13) forms a sliding guide for an ejector (16) striking the anchor head (10) on the end side and connected to an actuator (17).

IPC 8 full level
B28B 7/00 (2006.01); **B28B 23/00** (2006.01); **E04G 15/04** (2006.01); **E04G 21/18** (2006.01); **E04B 1/41** (2006.01)

CPC (source: AT EP)
B28B 1/08 (2013.01 - AT); **B28B 7/002** (2013.01 - EP); **B28B 23/005** (2013.01 - AT EP); **B28B 23/0056** (2013.01 - EP); **E04G 15/04** (2013.01 - AT EP); **E04G 21/185** (2013.01 - EP); **E04B 1/41** (2013.01 - EP)

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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
WO 2020097649 A1 20200522; AT 521682 A4 20200415; AT 521682 B1 20200415; EP 3880421 A1 20210922; EP 3880421 B1 20240501; EP 3880421 C0 20240501

DOCDB simple family (application)
AT 2019060377 W 20191106; AT 509692018 A 20181112; EP 19802040 A 20191106