

Title (en)  
FORMWORK DEVICE

Title (de)  
SCHALUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF DE COFFRAGE

Publication  
**EP 3815866 A1 20210505 (DE)**

Application  
**EP 19206424 A 20191031**

Priority  
EP 19206424 A 20191031

Abstract (en)  
[origin: WO2021084056A1] The invention relates to a formwork device (2) for manufacturing a construction element (19), in particular a plate-shaped precast concrete element, said formwork device comprising a formwork element (11) and a transport anchor (20) for positioning within the construction element (19), the transport anchor (20) having a connecting part (21) for connecting a lifting device (22) and a shear force part (23) for introducing a shear force into the construction element (19), the transport anchor (20) having a first connecting element (24) for connecting the transport anchor (20) to the formwork element (11) and/or a second connecting element (34) for connecting the transport anchor (20) to a support element (35) for supporting the construction element (19).

Abstract (de)  
Schalungseinrichtung (2) zum Herstellen eines Bauelements (19), insbesondere eines plattenförmigen Betonfertigteils, aufweisend: ein Schalungselement (11), einen Transportanker (20) zur Anordnung innerhalb des Bauelements (19), wobei der Transportanker (20) ein Anschlussstück (21) zum Anschließen einer Hebeeinrichtung (22) und ein Querkraftteil (23) zur Einleitung einer Querkraft in das Bauelement (19) aufweist, wobei der Transportanker (20) ein erstes Verbindungselement (24) zur Verbindung des Transportankers (20) mit dem Schalungselement (11) und/oder ein zweites Verbindungselement (34) zur Verbindung des Transportankers (20) mit einem Stützelement (35) für die Abstützung des Bauelements (19) aufweist.

IPC 8 full level  
**B28B 7/24** (2006.01); **B28B 23/00** (2006.01); **B66C 1/66** (2006.01); **E04G 17/06** (2006.01); **E04G 21/14** (2006.01); **E04G 21/18** (2006.01); **E04G 21/26** (2006.01)

CPC (source: EP US)  
**B28B 7/08** (2013.01 - EP); **B28B 7/245** (2013.01 - EP); **B28B 23/005** (2013.01 - EP US); **B28B 23/0056** (2013.01 - US); **B66C 1/666** (2013.01 - EP); **B66C 17/06** (2013.01 - EP); **E04G 17/06** (2013.01 - EP); **E04G 21/142** (2013.01 - EP US); **E04G 21/185** (2013.01 - EP); **E04G 21/26** (2013.01 - EP)

Citation (applicant)  
• DE 102004038381 A1 20060316 - PFEIFER HOLDING GMBH & CO KG [DE]  
• WO 2016184947 A1 20161124 - BT INNOVATION GMBH [DE]  
• WO 2017174432 A1 20171012 - BT INNOVATION GMBH [DE]

Citation (search report)  
• [X1] JP H07259194 A 19951009 - TOKO SANGYO KK  
• [X1] DE 19949419 A1 20000518 - WEIDNER GEORG [DE]  
• [X1] US 10287785 B1 20190514 - TADROS MAHER K [US], et al  
• [A] US 2019242113 A1 20190808 - REUTER JASON M [US]  
• [AD] WO 2016184947 A1 20161124 - BT INNOVATION GMBH [DE]

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)  
**EP 3815866 A1 20210505**; EP 4051473 A1 20220907; US 2024190045 A1 20240613; WO 2021084056 A1 20210506

DOCDB simple family (application)  
**EP 19206424 A 20191031**; EP 2020080485 W 20201030; EP 20797128 A 20201030; US 202017755431 A 20201030