

Title (en)
CONSTRUCTION SYSTEM FOR FOOTINGS AND FOUNDATION WALLS, ESPECIALLY IN THE LOST FORMWORK SYSTEM

Title (de)
BAUSYSTEM FÜR FUNDAMENTE UND GRUNDMAUERN, INSBESONDERE IM VERLORENEN SCHALUNGSSYSTEM

Title (fr)
SYSTEME DE CONSTRUCTION POUR LES SEMELLES ET LES MURS DE FONDATION, NOTAMMENT DANS UN SYSTEME DE COFFRAGE PERDU

Publication
EP 4036315 A1 20220803 (EN)

Application
EP 21218037 A 20211229

Priority
PL 43660920 A 20201231

Abstract (en)
The structural system dedicated to making a formwork of footings and foundation walls is characterized by the fact that it consists essentially of three elements, the assembly frame (2), modular, insulated formwork board (1) and the "U" type stirrup (3) connected with each other in defined way and repeated many times depending on the construction design to obtain the full length of a formwork. The assembly frames (2) with the width of the designed footing formwork are placed at a distance of not less than 400mm, one from the other, on the bottom of the formwork ditches, then modular insulated boards (1) are mounted to the sides (4) of the assembly frame with binding wire. In order to create a monolithic wall, prepared reinforcement of a formwork bench is sprinkled with sand and then gradually filled with concrete mass. Then, reinforcement of a foundation wall is mounted to a formwork bench by connecting subsequent elements of the assembly frame (2) with the width designed for a foundation wall with the use of a U-type stirrup (3) and attaching modular, insulated formwork boards (1) to them, creating a ready monolithic wall with the width and height in accordance with the design and ready to be filled with concrete mass.

IPC 8 full level
E02D 27/01 (2006.01); **E02D 27/08** (2006.01); **E02D 31/02** (2006.01); **E04B 2/86** (2006.01); **E04C 5/06** (2006.01); **E04G 9/10** (2006.01); **E04G 13/00** (2006.01)

CPC (source: EP)
E02D 27/013 (2013.01); **E02D 27/08** (2013.01); **E04C 5/0622** (2013.01); **E02D 31/02** (2013.01); **E04B 2/86** (2013.01)

Citation (applicant)
US 226785 A 18800420

Citation (search report)
• [XY] DE 29609851 U1 19960822 - TILETSCHKE LOTHAR [DE]
• [I] DE 202007002758 U1 20070419 - FWR SOLUTIONS GMBH [DE]
• [A] EP 3312359 A1 20180425 - BEOTEK OY [FI]
• [Y] DE 29700133 U1 19970220 - JOKINEN REIJO [FI], et al

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 4036315 A1 20220803; PL 436609 A1 20220704

DOCDB simple family (application)
EP 21218037 A 20211229; PL 43660920 A 20201231