

Title (en)
METHOD AND ASSEMBLY FOR PRODUCING HOLLOW CONCRETE ELEMENTS

Title (de)
VERFAHREN UND ANLAGE ZUR HERSTELLUNG VON BETON-HOEHLELEMENTEN

Title (fr)
PROCÉDÉ ET INSTALLATION DE FABRICATION D'ÉLÉMENTS CREUX EN BÉTON

Publication
EP 3486053 B1 20220713 (DE)

Application
EP 18189115 A 20180815

Priority
DE 102017127283 A 20171120

Abstract (en)
[origin: CA3016992A1] The invention relates to a method for producing hollow concrete elements with the following steps, especially in a circulating method: a) preparing of a pallet (15), b) placing of formwork elements (16, 17) on the pallet (15), c) transporting of the pallet (15) to a reinforcing station (5), where tensioning wires (19) are inserted into the space defined by the pallet (15) and the formwork elements (16, 17) and pretensioned, d) transporting of the pallet (15) to a concreting station (7), where at least one layer of concrete is poured into the space defined by the pallet (15) and the formwork elements (16, 17), e) introducing of core elements (21) into the space defined by the pallet (15) and the formwork elements (16, 17), f) pouring of at least one further layer of concrete into the space defined by the pallet (15) and the formwork elements (16, 17), transporting of the pallet (15) to a curing station (11), where the concrete is cured, and h) transporting of the pallet (15) to a destressing station (13), where the tensioning wires (19) are unstressed, especially at the same time. Further, the invention relates to a layout for producing hollow concrete elements.

IPC 8 full level
B28B 5/04 (2006.01); **B28B 7/00** (2006.01); **B28B 7/18** (2006.01); **B28B 23/04** (2006.01)

CPC (source: EP RU)
B28B 5/04 (2013.01 - EP RU); **B28B 7/0055** (2013.01 - EP RU); **B28B 7/186** (2013.01 - EP RU); **B28B 23/043** (2013.01 - EP RU)

Citation (examination)
US 3568274 A 19710309 - HIDDEN WILLIAM P, 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

DOCDB simple family (publication)
EP 3486053 A1 20190522; **EP 3486053 B1 20220713**; CA 3016992 A1 20190520; DE 102017127283 A1 20190523;
RU 2018131101 A 20200303; RU 2018131101 A3 20200303; RU 2718743 C2 20200414

DOCDB simple family (application)
EP 18189115 A 20180815; CA 3016992 A 20180910; DE 102017127283 A 20171120; RU 2018131101 A 20180829