

Title (en)
METHOD FOR CONSTRUCTING BUILDINGS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON GEBÄUDEN

Title (fr)
PROCÉDÉ DE CONSTRUCTION D'IMMEUBLES

Publication
EP 3889374 B1 20231018 (EN)

Appication
EP 19888380 A 20190208

Priority
• RU 2018142384 A 20181130
• RU 2019000080 W 20190208

Abstract (en)
[origin: EP3889374A1] The invention relates to the field of construction. A method for constructing buildings consists in that prefabricated three-dimensional modules are manufactured on robotic conveyors arranged on a plant floor. A formwork system is formed on a first robotic conveyor and a three-dimensional monolithic reinforced-concrete module comprising a base plate and/or pillars and/or walls and/or beams and/or crosspieces and/or ceiling panels is manufactured in said formwork system. The manufactured module is transferred to a second robotic conveyor where structural components, utility lines and fitted furniture are installed on said module, interior and/or exterior finishing work is carried out and said module is packaged in a protective material. The prefabricated three-dimensional modules are transferred to a building site where they are installed in the desired location by means of lifting devices, are unpacked and the modules are assembled and connected to one another floor-by-floor, resulting in the formation of a building. A portion of the prefabricated three-dimensional modules of even-numbered floors are installed relative to a portion of the prefabricated three-dimensional modules of odd-numbered floors so that, in plan view, some of the walls thereof intersect.

IPC 8 full level
E04H 1/00 (2006.01); **B28B 5/00** (2006.01); **B28B 5/02** (2006.01); **B28B 7/02** (2006.01); **B28B 7/22** (2006.01); **B28B 15/00** (2006.01); **E04B 1/348** (2006.01); **E04H 1/04** (2006.01)

CPC (source: EP RU)
B28B 5/00 (2013.01 - RU); **B28B 5/021** (2013.01 - EP); **B28B 7/02** (2013.01 - EP RU); **B28B 7/22** (2013.01 - EP); **B28B 15/00** (2013.01 - EP); **E04B 1/34823** (2013.01 - EP RU); **E04B 1/34853** (2013.01 - EP RU); **E04H 1/00** (2013.01 - RU); **E04H 1/005** (2013.01 - EP); **E04H 1/04** (2013.01 - EP RU)

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 3889374 A1 20211006; **EP 3889374 A4 20220831**; **EP 3889374 B1 20231018**; DK 3889374 T3 20240122; ES 2969483 T3 20240520; HU E065298 T2 20240528; PL 3889374 T3 20240402; RU 2712845 C1 20200131; WO 2020111966 A1 20200604

DOCDB simple family (application)
EP 19888380 A 20190208; DK 19888380 T 20190208; ES 19888380 T 20190208; HU E19888380 A 20190208; PL 19888380 T 20190208; RU 2018142384 A 20181130; RU 2019000080 W 20190208