

Title (en)
METHOD FOR CONSTRUCTING BUILDINGS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON GEBÄUDEN

Title (fr)
PROCÉDÉ DE CONSTRUCTION D'IMMEUBLES

Publication
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Application
EP 19888380 A 20190208

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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.

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Citation (search report)
• [A] US 3714304 A 19730130 - CARNER J, et al
• [A] US 3884613 A 19750520 - VAN DER LELY CORNELIS
• [A] JP 3236834 B2 20011210
• [A] SU 495208 A1 19751215
• See also references of WO 2020111966A1

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