

Title (en)
CONSTRUCTION METHOD USING BAGS OF MATERIAL

Title (de)
KONSTRUKTIONSVERFAHREN UNTER VERWENDUNG VON MATERIALBEUTELN

Title (fr)
PROCÉDÉ DE CONSTRUCTION AU MOYEN D'UN MATÉRIAU EMBALLÉ

Publication
EP 3470588 A1 20190417 (EN)

Application
EP 17810609 A 20170608

Priority
• MX 2016007591 A 20160610
• MX 2017000062 W 20170608

Abstract (en)
A method for the construction of dwellings by means of the use of bags refilled of material, conformed by the following stages: I) cleaning the ground; II) preparing and improving the ground; III) preparation and placement of foundation slab, IV) building the walls of the dwelling using bagged material, wherein the construction of said walls is made in two parts, where the first part includes the steps of: a) providing the bags already filled and sealed; b) placing an aviary mesh; c) stowing the bags longitudinally up to an intermediate height, wherein the storing of said bags is done in an interleaved manner, and in such a way that the ends of the bags abut each other, d) compacting the bags of each row, and perforating them to release moisture, and wherein every two courses of bags the aviary mesh is secured on both sides of the wall, wherein once reached the intermediate height e) securing the upper ends of the aviary mesh to the upper part of the wall and the lateral ends of the same to the castles, at the ends of the walls there are jagged spaces, so that when the castle is casted the wall is embedded in the castle; and f) placing a metallic structure of an intermediate girder on the upper end of said wall, g) placing and securing a second aviary mesh to said metallic structure, so that said second mesh is aligned with the first mesh, h) pouring concrete on the structure of the girder and on the first half of the castles to form a single element, and to secure the lower ends of the second mesh to said intermediate girder; wherein the second part comprises the steps of: i) repeating steps a), b), c), d), e) f), g) and h) until reaching a final or enclosure height, and j) placing a closing girder on the upper end of the second part of the wall, k) pouring concrete on the structure of the enclosure girder and on the second half of the castles to form a single element, V) placing the hydraulic, sanitary and electrical installations on the finished walls, applying the final finishings, and VI) placing the roof of the house.

IPC 8 full level
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CPC (source: EP)
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