

Title (en)

METHOD FOR ERECTING A BUILDING HAVING A CAST-IN-PLACE FRAME AND DECORATIVE OUTER FINISH

Title (de)

VERFAHREN ZUR ERRICHTUNG EINES GEBÄUDES MIT EINEM VOR ORT GEGOSSENEN RAHMEN UND DEKORATIVER AUSSENVERARBEITUNG

Title (fr)

PROCÉDÉ D'ÉDIFICATION D'UN BÂTIMENT À STRUCTURE MONOLITHIQUE AVEC FAÇADE EXTERNE DÉCORATIVE

Publication

**EP 2402525 A1 20120104 (EN)**

Application

**EP 10839866 A 20101117**

Priority

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- RU 2009147162 A 20091221

Abstract (en)

The invention relates to the field of construction, and the technical result is a reduction in the amount of labor and time required to erect a building. The method for erection of the cast-frame building with decorative external finish comprises the foundation pouring, tying of the reinforcing construction of the first floor, pouring of walls of the first floor with the help of removable formworks, installation of the frame beam reinforcement and pouring of ceilings and frame beams. The method further comprises tying of the reinforcing construction of the second floor and subsequent floors with the wall pouring, installation frame beam reinforcements and pouring of ceilings and frame beams of subsequent floors and roof erection. Wall formworks are used, consisting of the hollow cap and pallet with the wall blank, which are located inside the pallet and made at the factory. This wall blank contains at least one decorative layer and at least one heat insulating layer. These layers are linked with each other by reinforcing elements and set with the decorative layer outside. Reinforcement of supporting concrete layer of the wall is installed in the hollow cap of the removable wall formwork. After removal of the removable wall formwork, beam formworks, which are adjacent to the wall blank, are set on supporting concrete layer of the wall in the upper zone, which is unfilled with concrete. Fixing elements for the roof framework are laid in the ceiling before the ceiling pouring of the last floor.

IPC 8 full level

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