

Title (en)

System of prefabricated tunnel and portal elements and accessories made of structural light concrete for the total erection of 1 to 8 storey buildings for any use

Title (de)

System vorgefertigter tunnelförmiger und portalförmiger Bauelemente und entsprechendes Zubehör in tragendem Leichtbeton für den Bau gesamter Gebäude jeglicher Benutzung von ein bis acht Stockwerke

Title (fr)

Système d'éléments préfabriqués en forme de tunnel et de portique et accessoires en béton léger structural pour la construction totale de bâtiments pour toute utilisation de un à huit étages

Publication

EP 1063363 A2 20001227 (EN)

Application

EP 00830420 A 20000614

Priority

IT VI990130 A 19990622

Abstract (en)

The prefabricated "tunnel-shaped" parallelepiped element - which is the main element of the system - and its accessories allow buildings for any type of housing to be erected in a relatively brief time. The elements are made of structural light concrete. The main characteristic of this element is that of giving already defined rooms by combining more than one consecutive element. In fact, in these elements partition walls and outside walls are already laid out with door openings. They have groove-and-tongue dap joints and holes both at the four corners and at the center of the floor slabs section. These holes are obtained by using iron pipes for the passing of the steel tie rods required during assembly - to be made according to special rules - to consolidate the elements that will compose the building. The tunnel elements have two slabs, floor and ceiling. Portal elements are used for additional storeys. To build single-storey buildings we can use either tunnel elements if a terrace roof covering is required or elements with double-pitch roof covering if a roof-type covering is required. For the last storey in buildings having more than one storey with sloping-pitch roof covering, we can use the portal elements with double-pitch roof covering. <IMAGE>

IPC 1-7

E04B 1/348

IPC 8 full level

E04B 1/348 (2006.01); **E04B 1/35** (2006.01)

CPC (source: EP)

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