

Title (en)

CONSTRUCTION SYSTEM BASED ON THIN CONCRETE BOARDS AND CASSETTE ELEMENT FOR THE IMPLEMENTATION OF THE SYSTEM

Publication

EP 0048728 B1 19841024 (EN)

Application

EP 81900823 A 19810327

Priority

FI 800961 A 19800328

Abstract (en)

[origin: WO8102758A1] A construction system and a related cassette element, wherein thin concrete boards (2) provided with steel trusses (3, 5) and manufactured by means of the band rolling method of concrete or by means of any other concreting method are used, which boards remain parts of the final structure and at the same time form completed concrete faces for the structure. According to the invention, the thin concrete boards (2) are, either at the factory or on the construction site, mechanically connected by means of their truss structures, with the trusses (3, 5) facing each other, so as to make rigid, preferably prestressed cassette elements (1), wherein the thin concrete boards (2) with their reinforcements (4) and the truss steels (3, 5) operate jointly as a bend-proof cassette structure (1). By installing cassette elements (1) side by side vertically or horizontally, structures are formed in which the intermediate space between the thin concrete boards (2) is determined by the height of the steel trusses (3, 5). The intermediate space can be used as a space for positioning the heat insulation (8) and/or as a space for casting the frame concrete (9) cast in situ and/or as a space for equipment and conduits.

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