

Title (en)

MIXED STEEL-CONCRETE FLOOR STRUCTURE WITH OPTIMAL SLAB ARRANGEMENT

Title (de)

STAHL-BETON-MISCHBODENSTRUKTUR MIT OPTIMALER PLATTENANORDNUNG

Title (fr)

STRUCTURE DE PLANCHER MIXTE ACIER-BÉTON AVEC AGENCEMENT OPTIMAL DES DALLES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020254942A1] The invention relates to a mixed floor structure comprising a plurality of prefabricated concrete slabs supported by two edge profiles (Pr) and joists (S). The invention is based on the principle of a generally chequerboard arrangement of first slabs (Dc) connected to the joists (S) by connection means and second slabs (Dp) each resting simply on edges of consecutive first slabs (Dc) along a line of the chequerboard arrangement, without the second slabs (Dp) being connected to the joists by connection means. These second slabs (Dp) will not participate in the transmission of horizontal forces in the floor, and no horizontal force will be applied to them, but they will advantageously oppose bending of the first slabs (Dc) under a vertical load.

IPC 8 full level

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