

Title (en)  
Ceiling construction and element

Title (de)  
Deckenkonstruktion und Deckenelement

Title (fr)  
Structure et élément de plafond

Publication  
**EP 0811731 B1 20030219 (DE)**

Application  
**EP 97108946 A 19970603**

Priority  
DE 29609800 U 19960603

Abstract (en)  
[origin: US5878541A] A ceiling construction, especially for a large area shuttering construction for reinforced concrete ceilings, has a plurality of ceiling panels laterally abutting to each other. On a main plate of the ceiling panel, U-profiled shackles are arranged in a row and are aligned with each other. The U-profiled shackles have a web, two legs extending from the web to the main plate and having free ends, and flanges formed extending outwardly at a right angle from the free ends and being screwed to the main plate. Isolated longitudinal bars are fixed by a welding connection in the corners formed by the webs and legs of the U-profiled shackle. The isolated longitudinal bars are located away from the main plate. The ceiling construction is covered with concrete. During the construction and concrete operation, the isolated longitudinal bars serve to transmit forces of pressure. In the completed, solidified state, the bars serve to transmit tensile forces.

IPC 1-7  
**E04B 5/38**

IPC 8 full level  
**E04B 5/38** (2006.01)

CPC (source: EP US)  
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Cited by  
US8484928B2; DE202012100746U1; WO2012116745A1; US9243397B2

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