

Title (en)

Reinforcing cage and its arrangement for the building of floors with hollow form units

Title (de)

Bewehrungskorb und dessen Anordnung für die Herstellung von Stahlbeton-Hohlkörperplatten

Title (fr)

Cage d'armature et son agencement pour la réalisation de dalles avec corps creux

Publication

EP 0980936 B1 20040407 (DE)

Application

EP 99115571 A 19990806

Priority

DE 19837077 A 19980817

Abstract (en)

[origin: US6205737B1] To product a steel-reinforced hollow-body ceiling, reinforcing cages (10) are fitted to the ceiling area. The reinforcing cages (10) have three U-shaped stays (12) each made of round steel at an angular distance, with the U-shaped stays being welded together with two horizontal rings (18, 20) to form a stable structure which can be walked upon. A container (22), open at the bottom and having aeration holes (26) in the cover (24) can be hooked into this reinforcing cage (10). In this way the container (22) becomes buoyancy-free. Reinforcing cages (10) and containers (22) are stackable, forming truncated pyramids with a hexagonal base. The reinforcing cages (10) can be positioned with little space between them. They can be walked upon and act as spacers for the upper reinforcement of the concrete ceiling. Once concrete has been poured into place, a hollow-body reinforced-concrete ceiling or slab in honeycomb structure results.

IPC 1-7

E04B 5/32; **E04B 5/43**; **E04C 5/20**; **E04C 5/18**

IPC 8 full level

E04B 5/43 (2006.01); **E04B 5/19** (2006.01); **E04B 5/32** (2006.01); **E04C 5/06** (2006.01); **E04C 5/18** (2006.01); **E04C 5/20** (2006.01)

CPC (source: EP US)

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US 6205737 B1 20010327; AT E263875 T1 20040415; AU 4347999 A 20000309; AU 745428 B2 20020321; CA 2280427 A1 20000217; DE 19837077 A1 20000224; DE 59909092 D1 20040513; EP 0980936 A2 20000223; EP 0980936 A3 20000802; EP 0980936 B1 20040407; ES 2221273 T3 20041216; JP 2000154608 A 20000606

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