

Title (en)

SITE-ASSEMBLED COMPOSITE BEAM AS A RIGID CONNECTION IN PREMANUFACTURED FLOOR PANELS

Publication

EP 0040815 A3 19820224 (DE)

Application

EP 81103888 A 19810520

Priority

DE 3019744 A 19800523

Abstract (en)

[origin: US4416099A] A compound girder of an on-site assembly type is assembled to include components which rigidly interconnect two or more prefabricated ceiling panels (3a, 3b) in a bending stiff manner. The compound girder includes for each ceiling panel (3a, 3b) at least one web section (1a, 1b) and an upper chord section (2a, 2b). The girder further includes a continuous length lower chord (4). The lower chord (4) takes up the tension and shearing loads. The individual web sections (1a, 1b) are secured to the lower chord (4) by screw connections which prevent a sliding displacement between the connected elements relative to each other.

IPC 1-7

E04C 3/294; **E04B 5/02**

IPC 8 full level

E01D 2/00 (2006.01); **E01D 19/12** (2006.01); **E04B 5/02** (2006.01); **E04B 5/32** (2006.01); **E04C 3/293** (2006.01); **E04C 3/294** (2006.01)

CPC (source: EP US)

E04B 5/04 (2013.01 - EP US); **E04C 3/294** (2013.01 - EP US)

Citation (search report)

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- DE 1434057 A1 19690313 - KRUPP GMBH
- [A] FR 734787 A 19321028
- FR 1309835 A 19621123
- Bau-Maschine und Bau-Technik, (Bau-Verlag GmbH., Wiesbaden), 14. Jahrgang, Heft 3, Marz 1967, seiten 81-84 PROF. DR.-ING. K. ROIK. "Die Trockene Verbundbauweise"

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