

Title (en)  
Site-assembled composite beam.

Title (de)  
Verbundträger in Montagebauweise.

Title (fr)  
Poutre composite dans la construction préfabriquée.

Publication  
**EP 0040815 A2 19811202 (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.

Abstract (de)  
Ein Verbundträger in Montagebauweise besteht aus zwei oder mehr Deckenplatten (3a, b), je Deckenplatte aus einem Stegabschnitt (1a, b) und einem Obergurtabschnitt (2a, b) und einem über die ganze Länge des Verbundträgers durchgehenden, die Zug- und Querkräfte aufnehmenden Untergurt (4), mit dem die einzelnen Stegabschnitte (1a, b) verbunden sind, insbesondere durch HV-Verschraubungen.

IPC 1-7  
**E04C 3/294**; **E04B 5/02**

IPC 8 full level  
**E01D 19/12** (2006.01); **E01D 2/00** (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)

Cited by  
CN103556780A; FR3114823A1; CN110359358A; CN104947837A; EP1278922A4; AT517824A1; AT517824B1; WO2022074146A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0040815 A2 19811202**; **EP 0040815 A3 19820224**; **EP 0040815 B1 19840815**; AT E9020 T1 19840915; CA 1160469 A 19840117; DE 3019744 A1 19811203; DE 3165537 D1 19840920; JP S579944 A 19820119; US 4416099 A 19831122

DOCDB simple family (application)  
**EP 81103888 A 19810520**; AT 81103888 T 19810520; CA 377806 A 19810519; DE 3019744 A 19800523; DE 3165537 T 19810520; JP 7684181 A 19810522; US 26441681 A 19810518