

Title (en)

STRUCTURAL REINFORCED COMPOSITE BEAM

Title (de)

STRUKTURELLER BEWEHRTER VERBUNDTRÄGER

Title (fr)

POUTRE STRUCTURALE COMPOSITE RENFORCÉE

Publication

**EP 3704325 B1 20220608 (EN)**

Application

**EP 18811991 A 20181103**

Priority

- US 201762581261 P 20171103
- US 201816179178 A 20181102
- US 2018059107 W 20181103

Abstract (en)

[origin: US2019136532A1] A beam assembly includes a plastic composite beam and a flitch plate, where the flitch plate is secured to the plastic composite beam to improve the strength and rigidity of the beam. The assembly may include a plurality of rods extending through holes defined in the flitch plate and the beam to compress the flitch plate and the beam and to create a frictional engagement between the flitch plate and the beam. The flitch plate may have a height that is less than the height of the beam, such that upper and lower surfaces of the flitch plate are recessed from the upper and lower surfaces of the beam. The assembly may include two beams with a flitch plate disposed laterally between the beams. The flitch plate may include projections or protrusions that engage the beams to secure the flitch plate to the beams.

IPC 8 full level

**E04C 3/29** (2006.01)

CPC (source: EP KR US)

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DOCDB simple family (publication)

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