

Title (en)

Concrete filled tube column and method of constructing same.

Title (de)

Stütze aus einem mit Beton gefüllten Rohr und Verfahren zur Herstellung derselben.

Title (fr)

Colonne en tube remplie de béton et son procédé de fabrication.

Publication

**EP 0308038 A1 19890322 (EN)**

Application

**EP 88305320 A 19880610**

Priority

- JP 8044488 A 19880401
- JP 23437487 A 19870918

Abstract (en)

There is disclosed a concrete filled tube column which includes: an outer tube (42) connected to beams of the structure so that an axial load is transferred from the beams and applied to the outer tube (42), the outer tube (42) consisting of a plurality of tube pieces (46) coaxially disposed in series, the tube pieces (46) having substantially equal transverse inner sizes; a concrete core disposed within the outer tube (42); and a tubular member (62), coaxially fitting within each of the tube pieces (46), for transferring the axial load from the outer tube (42) to the concrete core. The tubular member (62) has a constant transverse outer size and a lower end portion. The lower end portion of the tubular member (62) has a first inner peripheral face tapering upward so that the transverse inner size at the lower end of the tubular member is equal to the transverse inner size of each of the tube pieces.

IPC 1-7

**E04C 3/34**; **E02D 5/30**; **E04B 1/30**

IPC 8 full level

**E02D 5/30** (2006.01); **E04B 1/30** (2006.01); **E04C 3/34** (2006.01)

CPC (source: EP KR)

**E02D 5/30** (2013.01 - EP); **E04B 1/30** (2013.01 - EP); **E04C 3/34** (2013.01 - EP); **E04C 3/36** (2013.01 - KR)

Citation (search report)

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Designated contracting state (EPC)

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**EP 0308038 A1 19890322**; **EP 0308038 B1 19930915**; CA 1300920 C 19920519; CN 1017364 B 19920708; CN 1032375 A 19890412; DE 3884117 D1 19931021; DE 3884117 T2 19940505; KR 890005360 A 19890513; KR 940009460 B1 19941013

DOCDB simple family (application)

**EP 88305320 A 19880610**; CA 568735 A 19880606; CN 88104690 A 19880730; DE 3884117 T 19880610; KR 880007707 A 19880625