

Title (en)

JOINT SYSTEM FOR CONCRETE-FILLED STEEL TUBULAR STRUCTURES

Title (de)

VERBINDUNGSSYSTEM FÜR BETONGEFÜLLTE STAHLROHRSTRUKTUREN

Title (fr)

SYSTEME DE JOINT POUR STRUCTURES TUBULAIRES EN ACIER REMPLIES DE BÉTON

Publication

EP 4001532 B1 20230823 (EN)

Application

EP 20383009 A 20201119

Priority

EP 20383009 A 20201119

Abstract (en)

[origin: EP4001532A1] Joint for concrete-filled steel tubular structures, of the type that joins two axially-aligned tubular steel segments (1). It comprises a tubular connector (2) between both steel segments (1), in a tongue and groove connection with each steel segment (1). The connector is locked against rotation by the concrete (10) filling. The male part of each tongue and groove connection comprises a circular wall (3) where at least two projections (4) are placed, the projections (4) being evenly distributed around the outside of the circular wall (3). The female part has a shell (5), the inside of the shell carrying at least two teeth (6) that define a circular hole (7) for the insertion of the circular wall (3); so the projections (4) fit between and behind the teeth (6).

IPC 8 full level

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CPC (source: EP)

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