

Title (en)

CONNECTION POINT FOR METAL STRUCTURES

Title (de)

VERBINDUNGSPUNKT FÜR METALLSTRUKTUREN

Title (fr)

NOEUD D'ASSEMBLAGE POUR STRUCTURES MÉTALLIQUES

Publication

EP 2998451 A4 20161221 (EN)

Application

EP 13884661 A 20130514

Priority

ES 2013070303 W 20130514

Abstract (en)

[origin: EP2998451A1] A connecting node for metallic structures, specifically for structures based on props or pillars (1) wherewith cross beams (2) are associated, wherein said pillars (1) incorporate rosettes (3) separated by a predetermined distance, each of which having a polygonal window (31) and at least one circular hole (32); while the beams (2) include on their edges a fork (4) having a stub (41) with a polygonal configuration that projects from the lower side and has a configuration equivalent to the window (31) and at least one hole (42) in correspondence with the hole (32) of the rosettes (3); the foregoing in anticipation that a fork (4) will be fitted into a pair of rosettes (3) without possibility of sideways movement of the beam (2) and, once the structure is assembled, that it will be immobilised by means of at least one screw (6) which, passing through holes (32) and (42), establishes the definitive connection.

IPC 8 full level

E04B 1/24 (2006.01); **E04B 1/58** (2006.01)

CPC (source: EP US)

E04B 1/1903 (2013.01 - US); **E04B 1/215** (2013.01 - US); **E04B 1/24** (2013.01 - US); **E04B 1/2403** (2013.01 - EP US); **E04C 3/02** (2013.01 - US); **E04B 2001/2406** (2013.01 - US); **E04B 2001/2415** (2013.01 - EP US); **E04B 2001/2418** (2013.01 - US); **E04B 2001/2421** (2013.01 - US); **E04B 2001/2454** (2013.01 - EP US); **E04B 2001/2457** (2013.01 - EP US); **E04B 2001/246** (2013.01 - US)

Citation (search report)

- [I] JP H08144383 A 19960604 - TAMURA NOBUTAKA
- [I] JP H06146406 A 19940527 - KUMAGAI GUMI CO LTD
- See also references of WO 2014184397A1

Cited by

EP4089244A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2998451 A1 20160323; **EP 2998451 A4 20161221**; **EP 2998451 B1 20201014**; CN 105229244 A 20160106; ES 2836848 T3 20210628; MX 2015015740 A 20160602; MX 359590 B 20181003; US 2016097192 A1 20160407; WO 2014184397 A1 20141120

DOCDB simple family (application)

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