

Title (en)

Removable assembly device for mast elements of a tower crane

Title (de)

Zerlegbare Vorrichtung zur Montage von Mastelementen eines Turmdrehkrans

Title (fr)

Dispositif d'assemblage démontable pour éléments de mât d'une grue à tour

Publication

**EP 1873113 B1 20090506 (FR)**

Application

**EP 07356043 A 20070405**

Priority

FR 0605815 A 20060628

Abstract (en)

[origin: EP1873113A1] The device has a connecting screw (7) and a nut (8) arranged along vertical axes (10, 19) parallel to a longitudinal direction of half-fishplates (5, 6) of angle flanges (2), and connecting the half-fishplates. One of the half-fishplates has a recess (12), which provides access to the nut and the screw for handling the nut and the screw. The half-fishplates are fixed to corresponding ends of the flanges and have male and female support conical surfaces, whose apexes are located on the axes. The screw has a cylindrical head (23) available for its handling using a ratchet handle (29).

IPC 8 full level

**B66C 23/28** (2006.01); **E04H 12/10** (2006.01)

CPC (source: EP)

**B66C 23/286** (2013.01)

Cited by

EP4219077A1; FR3132041A1; CN116143005A; EP3184479A1; ITUB20159180A1

Designated contracting state (EPC)

DE ES IT

DOCDB simple family (publication)

**EP 1873113 A1 20080102; EP 1873113 B1 20090506**; DE 602007001052 D1 20090618; ES 2326562 T3 20091014; FR 2903094 A1 20080104; FR 2903094 B1 20090227; RU 2007124278 A 20090110; RU 2425792 C2 20110810

DOCDB simple family (application)

**EP 07356043 A 20070405**; DE 602007001052 T 20070405; ES 07356043 T 20070405; FR 0605815 A 20060628; RU 2007124278 A 20070627