

Title (en)

LATTICE MAST STRUCTURE AND METHOD FOR INCREASING THE STABILITY OF A LATTICE MAST STRUCTURE

Title (de)

GITTERMASTSTRUKTUR SOWIE VERFAHREN ZUR STANDFESTIGKEITSERHÖHUNG AN EINE GITTERMASTSTRUKTUR

Title (fr)

STRUCTURE DE PYLÔNE EN TREILLIS AINSI QUE PROCÉDÉ SERVANT À AMÉLIORER LA STABILITÉ SUR UNE STRUCTURE DE PYLÔNE EN TREILLIS

Publication

**EP 3307967 B1 20191113 (DE)**

Application

**EP 16726079 A 20160530**

Priority

- DE 102015210474 A 20150609
- EP 2016062115 W 20160530

Abstract (en)

[origin: WO2016198270A1] The invention relates to a lattice mast structure, which comprises a plurality of supports (2), which are designed as steel profiled elements and between which transverse and/or diagonal struts extend, wherein the lattice mast structure comprises at least one reinforcing bar (12), wherein the reinforcing bar extends in the longitudinal direction of a support (2), the reinforcing bar (12) follows the course of the support (2), the reinforcing bar (12) is connected to the support (2) at at least two points at a distance from each other such that the reinforcing bar (12) forms a structural composite together with the support with respect to the force flow (2), and the reinforcing bar (12) is designed as an at least two-part composite component, which is designed as a structural composite of an element that predominantly transfers tensile forces and an element that predominantly transfers compressive forces.

IPC 8 full level

**E04C 5/07** (2006.01); **E04H 12/10** (2006.01); **E04H 12/16** (2006.01)

CPC (source: EP US)

**E04C 5/07** (2013.01 - EP US); **E04H 12/10** (2013.01 - EP US); **E04H 12/16** (2013.01 - EP US)

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)

**DE 102015210474 A1 20161215**; EP 3307967 A1 20180418; EP 3307967 B1 20191113; ES 2767299 T3 20200617; JP 2018518617 A 20180712; US 10519683 B2 20191231; US 2018355631 A1 20181213; WO 2016198270 A1 20161215

DOCDB simple family (application)

**DE 102015210474 A 20150609**; EP 16726079 A 20160530; EP 2016062115 W 20160530; ES 16726079 T 20160530; JP 2017563552 A 20160530; US 201615580878 A 20160530