

Title (en)
CRANE TOWER

Title (de)
KRANTURM

Title (fr)
PYLÔNE DE GRUE

Publication
EP 3274288 B1 20230104 (DE)

Application
EP 16711775 A 20160323

Priority
• DE 102015003982 A 20150326
• EP 2016000513 W 20160323

Abstract (en)
[origin: WO2016150570A1] The invention relates to a crane tower (1), which comprises a crane tower base (2), to which the crane tower (1) or a crane tower element is fastened and from which the crane tower (1) extends upward, and a tension element (3; 4) for bracing the crane tower (1) on the crane tower base (2). The tension element (3; 4) is connected to the crane tower base (2) at one of the two ends of the tension element and to the crane tower (1) or a coupling connected to the crane tower (1) at the other end of the tension element. The crane tower is distinguished in that the tension element (3; 4) extends outside of the crane tower (1). It is thus possible to reduce the dimensions of the crane tower while keeping the bending resistance constant or to increase the bending resistance while keeping the dimensions constant.

IPC 8 full level
B66C 23/20 (2006.01); **B66C 23/28** (2006.01); **B66C 23/72** (2006.01)

CPC (source: EP US)
B66C 23/02 (2013.01 - US); **B66C 23/283** (2013.01 - EP US); **B66C 23/74** (2013.01 - US); **E04H 12/20** (2013.01 - 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 102015003982 A1 20160929; CN 107531464 A 20180102; CN 107531464 B 20210629; EP 3274288 A1 20180131;
EP 3274288 B1 20230104; US 10392233 B2 20190827; US 2018044147 A1 20180215; WO 2016150570 A1 20160929

DOCDB simple family (application)
DE 102015003982 A 20150326; CN 201680018545 A 20160323; EP 16711775 A 20160323; EP 2016000513 W 20160323;
US 201615560930 A 20160323