

Title (en)  
TOWER CRANE

Title (de)  
TURMKRAN

Title (fr)  
GRUE À PYLÔNE

Publication  
**EP 3553016 A1 20191016 (EN)**

Application  
**EP 18460021 A 20180413**

Priority  
EP 18460021 A 20180413

Abstract (en)  
A tower crane comprises a lattice tower (1) composed of sections and comprising an upper jib (2). A lower tower (1) section is attached to a base (22) comprising supports (3) with feet (4). The supports (3) comprise a hydraulic levelling unit. The upper jib (2) is mounted on a turntable (16), fixed on the upper tower (1) section. The upper jib (2) is a telescopic jib and is provided with a pair of stiffening sprits (18). The tower (1) is composed of lattice sections and is provided with a cage module (15) for lifting and installing the next sections. The lattice tower (1) is provided with a unit of lattice middle sprits (12) with lower stays (11) in the form of couplers (8). The middle sprits (12) are connected from one side to working parts of hydraulic cylinders (14) installed in the crane foot (4) supports (3) and from the other side to the eyes (9) of the middle sprits (12) of the lattice tower (1).

IPC 8 full level  
**B66C 13/46** (2006.01); **B66C 13/54** (2006.01); **B66C 23/18** (2006.01); **B66C 23/28** (2006.01); **B66C 23/62** (2006.01); **B66C 23/82** (2006.01)

CPC (source: EP)  
**B66C 13/46** (2013.01); **B66C 13/54** (2013.01); **B66C 23/185** (2013.01); **B66C 23/283** (2013.01); **B66C 23/62** (2013.01); **B66C 23/826** (2013.01)

Citation (applicant)  
• PL 213684 A1 19801020 - PRZEDSIEB WDRAZANIA UPOWSZECH [PL]  
• US 3872977 A 19750325 - NOLY JEAN  
• GB 1404135 A 19750828 - GEN CRANE INDUSTRIES  
• GB 1374253 A 19741120 - GEN CRANE INDUSTRIES

Citation (search report)  
• [Y] DE 102013011489 A1 20150115 - LIEBHERR WERK EHINGEN [DE]  
• [Y] DE 102015016279 A1 20160623 - LIEBHERR-WERK EHINGEN GMBH [DE]  
• [Y] PL 213684 B1 20130430  
• [Y] CN 102826470 A 20121219 - XU JILIN

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WO2022057082A1

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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

Designated extension state (EPC)  
BA ME

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