

Title (en)  
SIMPLIFIED ASSEMBLY TRELLIS-LIKE MODULAR ELEMENT FOR TOWERS OF TOWER CRANES AND TOWER COMPRISING SUCH MODULAR ELEMENT

Title (de)  
GITTERMODULELEMENT MIT VEREINFACHTER MONTAGE FÜR TÜRME DURCH TURMKRÄNE UND TURM MIT EINEM SOLCHEN MODULELEMENT

Title (fr)  
ÉLÉMENT MODULAIRE EN FORME DE TREILLIS AVEC ASSEMBLAGE SIMPLIFIÉ POUR TOUR DES GRUES À TOUR ET TOUR COMPRENANT UN TEL ÉLÉMENT MODULAIRE

Publication  
**EP 3184479 A1 20170628 (EN)**

Application  
**EP 16205957 A 20161221**

Priority  
IT UB20159180 A 20151222

Abstract (en)  
The present invention refers to a simplified assembly trellis-like modular element for towers of tower cranes and to a tower comprising at least one of such elements, where the simplified assembly trellis-like modular element (30) for towers of tower cranes comprises a plurality of posts (31) for supporting a trellis structure, each of the posts (31) extending lengthwise along a longitudinal axis (A) and having a first end (32) and a second end (33), the simplified assembly trellis-like modular element (30) being characterized in that each of the posts (31), at the first end (32), comprises at least a connection assembly (40) arranged to at least partially house at least one screw (34) of a bolt (34, 35) adapted to connect the simplified assembly trellis-like modular element (30) to another trellis-like modular element (30) as well as to guide and support the at least one screw (34) during assembly.

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

CPC (source: EP)  
**B66C 23/286** (2013.01)

Citation (search report)

- [XA] EP 1873113 A1 20080102 - MANITOWOC CRANE GROUP FRANCE [FR]
- [XA] US 3877192 A 19750415 - METAILLER ROGER
- [XA] FR 2031876 A5 19701120 - POTAIN SA
- [XA] US 3499258 A 19700310 - DURAND PIERRE
- [XA] FR 1250050 A 19610324

Cited by  
IT201900006316A1; EP4335806A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3184479 A1 20170628**; IT UB20159180 A1 20170622

DOCDB simple family (application)  
**EP 16205957 A 20161221**; IT UB20159180 A 20151222