

Title (en)

STABILIZING GROUP FOR A TOWER CRANE AND TOWER CRANE COMPRISING SUCH A GROUP

Title (de)

STABILISIERUNGSGRUPPE FÜR EINEN TURMKRAN UND TURMKRAN MIT SOLCH EINER GRUPPE

Title (fr)

GROUPE DE STABILISATION POUR UNE GRUE À PYLÔNE ET GRUE À PYLÔNE COMPRENANT UN TEL GROUPE

Publication

EP 3045417 A1 20160720 (EN)

Application

EP 16150845 A 20160112

Priority

IT MI20150019 A 20150113

Abstract (en)

Stabilizing group (10) for a tower crane (20) of the type comprising a vertical tower structure (21) and a lifting arm (22), comprising: a rotary group (30) arranged to be mounted at the top of the vertical tower structure (21) so as to be able to rotate about a vertical axis, the rotary group (30) also being arranged to couple with the lifting arm (22); a counter jib (40) rotatably coupled through a hinge (11) having a horizontal axis with the rotary group (30) on the opposite side to that intended for coupling with the lifting arm (22), the hinge (11) defining a horizontal hinging half-plane; the stabilizing group (10) comprising limiting means (35, 45) for limiting the rotation of the counter jib (40) with respect to the rotary group (30) at least in one sense of rotation with respect to the horizontal hinging half-plane.

IPC 8 full level

B66C 23/02 (2006.01); **B66C 23/16** (2006.01); **B66C 23/72** (2006.01)

CPC (source: EP)

B66C 23/022 (2013.01); **B66C 23/163** (2013.01); **B66C 23/72** (2013.01)

Citation (search report)

- [XY] CN 203998737 U 20141210 - JIANGSU DATONG HEAVY INDUSTRY CO LTD
- [X] EP 1842822 A2 20071010 - TGM S R L [IT]
- [XA] CN 202508791 U 20121031 - SHENYANG SANYO BUILDING MACHINERY CO LTD
- [Y] CN 104045008 A 20140917 - ZOOMLION HEAVY IND SCI & TECH
- [Y] CN 203345976 U 20131218 - ZOOMLION HEAVY IND SCI & TECH

Cited by

EP3293143A1

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 3045417 A1 20160720; EP 3045417 B1 20170913

DOCDB simple family (application)

EP 16150845 A 20160112