

Title (en)

CLIMBING SYSTEM FOR A CRANE

Title (de)

KLETTERSISTEM FÜR EINEN KRAN

Title (fr)

SYSTÈME DE MONTAGE POUR UNE GRUE

Publication

EP 3259224 B1 20190410 (DE)

Application

EP 16705429 A 20160219

Priority

- DE 102015002237 A 20150220
- EP 2016000292 W 20160219

Abstract (en)

[origin: WO2016131550A1] The invention relates to a climbing system (1) for a crane. The system comprises a climbing apparatus (2) for inserting a mast section (3) or for removing a mast section (3) from a tower structure (4) of a crane, and a control unit (5) for controlling the climbing apparatus (2). The system is furthermore characterized in that the system comprises a first sensor (51) for monitoring a state of a connection means of the climbing apparatus (2) and/or the tower structure (4), wherein the first sensor (51) is connected to the control unit (5). A climbing process of a crane can thus be simplified and the safety of the climbing process can be increased.

IPC 8 full level

B66C 23/28 (2006.01)

CPC (source: CN EP RU US)

B66C 23/28 (2013.01 - RU); **B66C 23/283** (2013.01 - CN EP US)

Cited by

CN114873466A

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 102015002237 A1 20160825; BR 112017017570 A2 20180508; BR 112017017570 B1 20220215; CN 107406241 A 20171128; CN 107406241 B 20200117; EP 3259224 A1 20171227; EP 3259224 B1 20190410; EP 3489187 A1 20190529; ES 2734701 T3 20191211; RU 2017132679 A 20190320; RU 2017132679 A3 20190726; RU 2702213 C2 20191004; US 10662034 B2 20200526; US 2018155161 A1 20180607; WO 2016131550 A1 20160825; WO 2016131550 A8 20171116

DOCDB simple family (application)

DE 102015002237 A 20150220; BR 112017017570 A 20160219; CN 201680011304 A 20160219; EP 16705429 A 20160219; EP 19151633 A 20160219; EP 2016000292 W 20160219; ES 16705429 T 20160219; RU 2017132679 A 20160219; US 201615551669 A 20160219