

Title (en)

CRANE HAVING A COUNTERWEIGHT ADJUSTMENT DEVICE, AND METHOD FOR ADJUSTING A COUNTERWEIGHT ON A CRANE

Title (de)

KRAN MIT EINER GEGENGEWICHTSVERSTELLVORRICHTUNG SOWIE VERFAHREN ZUM VERSTELLEN EINES GEGENGEWICHTS AN EINEM KRAN

Title (fr)

GRUE COMPRENANT UN DISPOSITIF DE DÉPLACEMENT DE CONTREPOIDS ET PROCÉDÉ DE DÉPLACEMENT D'UN CONTREPOIDS SUR UNE GRUE

Publication

EP 3448796 B1 20200902 (DE)

Application

EP 17735518 A 20170705

Priority

- DE 102016212517 A 20160708
- EP 2017066744 W 20170705

Abstract (en)

[origin: CA3028539A1] The invention relates to a crane (1, 78) having an undercarriage (2), a superstructure (8) that is pivotable about a slewing axis (9) relative to the undercarriage (2), a counterweight unit (24) and a counterweight adjustment device (19; 19a; 19b), wherein the counterweight adjustment device (19; 19a; 19b) comprises: a telescopic frame (20) which is fastened to the superstructure (8) and has a telescopic longitudinal member (22), a counterweight unit (24) which is arranged so as to be displaceable along the frame (20), a drive unit for displacing the counterweight unit (24) in a driven manner on the frame (20), and a kinematic unit (41; 41b) that is able to be coupled to the drive unit in order to telescope the frame (20) in a driven manner, wherein a jetty (23) is fastened to a rear end, remote from the slewing axis (9), of the longitudinal member (22), the counterweight unit (24) is displaceable along the frame (20) in the region of the superstructure (8) as far as the jetty (23), the counterweight unit (24) is able to be fastened to the jetty (23) and the counterweight unit (24) is able to be telescoped in and out on the jetty (23) with the frame (20).

IPC 8 full level

B66C 23/76 (2006.01)

CPC (source: EP US)

B66C 23/36 (2013.01 - US); **B66C 23/76** (2013.01 - EP US); **B66C 2700/0371** (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 102016212517 A1 20180111; CA 3028539 A1 20180111; CN 109476467 A 20190315; CN 109476467 B 20201030; EP 3448796 A1 20190306; EP 3448796 B1 20200902; JP 2019520285 A 20190718; JP 6961875 B2 20211105; US 11167962 B2 20211109; US 2019315607 A1 20191017; WO 2018007433 A1 20180111

DOCDB simple family (application)

DE 102016212517 A 20160708; CA 3028539 A 20170705; CN 201780042228 A 20170705; EP 17735518 A 20170705; EP 2017066744 W 20170705; JP 2019500468 A 20170705; US 201716315505 A 20170705