

Title (en)

Boom of a tower crane with folding-unfolding mechanism

Title (de)

Ausleger eines Turmkrans mit Ausklapp- und Einklappmechanismus

Title (fr)

Flèche de grue à tour avec mécanisme de pliage-dépliage

Publication

EP 2107033 B1 20110112 (FR)

Application

EP 09156408 A 20090327

Priority

FR 0801825 A 20080402

Abstract (en)

[origin: EP2107033A1] The jib (10) has a folding-unfolding mechanism (24) that is composed of a lever (26) with an articulation point (32) located on a jib base (12). An operating clearance is created at the level of an articulation point (33) of the lever such that the mechanism is not solicited in a working aligned position of the jib. The clearance is obtained by an elongated slot (37) provided in the lever, where the slot is passed through an axle (36). A width of the slot corresponds to a diameter of the axle. A connecting rod (27) connects an articulation point (34) of the lever to a jib element (13).

IPC 8 full level

B66C 23/34 (2006.01)

CPC (source: EP)

B66C 23/348 (2013.01)

Cited by

CN106219420A; CN103552940A; CN104512821A; CN104210969A

Designated contracting state (EPC)

DE ES IT

DOCDB simple family (publication)

EP 2107033 A1 20091007; EP 2107033 B1 20110112; DE 602009000551 D1 20110224; FR 2929606 A1 20091009; FR 2929606 B1 20100910

DOCDB simple family (application)

EP 09156408 A 20090327; DE 602009000551 T 20090327; FR 0801825 A 20080402