

Title (en)

Folding device for a crane boom with nestable elements

Title (de)

Zusammenklappvorrichtung eines Kranauslegers mit ineinandersetzbaren Elementen

Title (fr)

Dispositif de repliage d'une flèche de grue à éléments emboîtables

Publication

EP 1072553 B1 20040102 (FR)

Application

EP 00420135 A 20000622

Priority

FR 9909688 A 19990722

Abstract (en)

[origin: EP1072553A1] The folding elements (12, 13) of a crane jib, are articulated around a horizontal axis (17). The folding mechanism consists of a double acting jack (32), in the central vertical plane of the jib, and linked at one end, by a horizontal axis (35), to the rear element (12) of the jib, and at the other end, to a straight rod connector (38), linked to the rear part of the forward element (13). A curved link (41) is also connected to the forward end of the jack and to the front part of the rear element of the jib. The curved connector carries a horizontal bar, which is guided by the arc guides (30), cut in the side plates (31).

IPC 1-7

B66C 23/26

IPC 8 full level

B66C 23/42 (2006.01); **B66C 23/26** (2006.01); **B66C 23/64** (2006.01); **B66C 23/68** (2006.01); **B66C 23/687** (2006.01)

CPC (source: EP US)

B66C 23/26 (2013.01 - EP US); **B66C 23/344** (2013.01 - EP US)

Cited by

CN110520581A

Designated contracting state (EPC)

BE DE ES

DOCDB simple family (publication)

EP 1072553 A1 20010131; **EP 1072553 B1 20040102**; DE 60007488 D1 20040205; DE 60007488 T2 20041125; ES 2211485 T3 20040716; FR 2796632 A1 20010126; FR 2796632 B1 20010824; JP 2001063961 A 20010313; RU 2249561 C2 20050410; US 6290078 B1 20010918

DOCDB simple family (application)

EP 00420135 A 20000622; DE 60007488 T 20000622; ES 00420135 T 20000622; FR 9909688 A 19990722; JP 2000218956 A 20000719; RU 2000119628 A 20000721; US 59996000 A 20000623