

Title (en)

Uncoiling device for an extension jib of a mobile crane

Title (de)

Abwinklungsvorrichtung für eine Auslegerverlängerung eines Mobilkrans

Title (fr)

Dispositif de déroulement pour une flèche de grue mobile

Publication

**EP 1477451 B1 20070228 (DE)**

Application

**EP 04006222 A 20040316**

Priority

DE 10321493 A 20030513

Abstract (en)

[origin: EP1477451A2] The flexible bending joint (9) for the jib of a mobile crane has a hinge (8) at the top of the lattice frame sections for the inner and outer parts of the jib. The lower parts of the two lattice frame sections are connected together by a telescopic hydraulic actuator (7). The ends of the actuator are hinged (1,1') to the bottom stringers of the inner and outer parts of the crane jib. The actuator has a tubular piston (7b) which slides telescopically inside a cylinder (7a). There are bores with a transverse bolt in the cylinder.

IPC 8 full level

**B66C 23/42** (2006.01); **B66C 23/70** (2006.01)

CPC (source: EP US)

**B66C 23/702** (2013.01 - EP US)

Cited by

DE202008015659U1; US8414214B2; WO2009033198A1; WO2018036181A1; WO2009026870A1; EP2253576A1; DE102009022262A1; US8640896B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1477451 A2 20041117; EP 1477451 A3 20051116; EP 1477451 B1 20070228**; CA 2465464 A1 20041113; CA 2465464 C 20100119; CN 100354195 C 20071212; CN 1621334 A 20050601; DE 10321493 A1 20041223; DE 10321493 B4 20060720; DE 502004003002 D1 20070412; ES 2279244 T3 20070816; JP 2004338953 A 20041202; JP 4727946 B2 20110720; US 2005011850 A1 20050120; US 7131548 B2 20061107

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