

Title (en)

Mast foldable in three elements with folding/unfolding device for tower crane

Title (de)

Turm, zusammenklappbar in drei Elemente, mit Vorrichtung zum Zusammenklappen/Aufklappen für einen Turmkran

Title (fr)

Mâtüre pliable en trois éléments avec dispositif de pliage/dépliage pour grue à tour

Publication

EP 0888997 B1 20030129 (FR)

Application

EP 98420106 A 19980625

Priority

FR 9708621 A 19970702

Abstract (en)

[origin: EP0888997A1] The tower crane foldable mast is made from three components (6,7,8). The lower component (6) is articulated by its base (4) on the crane rotating chassis (3). An intermediate folding component (7) of relatively small length, is articulated (9) at the top of the lower mast component. The upper mast component (8) is articulated at its base (10) on the intermediate component and carries at its top the crane jib (13). The folding/unfolding device comprises a shroud (23) articulated by one end (24) to the rotating chassis and by the other end (25) to the intermediate component. A tie-rod (30) is articulated by one end (31) to the intermediate component and by its other end (21) to a kingpost (19) carried by the jib.

IPC 1-7

B66C 23/34

IPC 8 full level

B66C 23/42 (2006.01); **B66C 23/34** (2006.01); **B66C 23/62** (2006.01)

CPC (source: EP)

B66C 23/34 (2013.01); **B66C 23/348** (2013.01)

Cited by

CN109761153A; EP1048605A1; FR2792627A1; EP1364906A1; FR2839962A1; US2021261388A1; US11702324B2; EP1352870A1; FR2838415A1; US6991120B2; US6439408B1; US7093730B2

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