

Title (en)
CRANE WITH TELESCOPIC TOWER

Publication
EP 0150344 A3 19870909 (DE)

Application
EP 84114818 A 19841205

Priority
DE 3401094 A 19840113

Abstract (en)
[origin: EP0150344A2] 1. Crane with a telescopic tower (6, 21) attached to a revolving superstructure or the superstructure frame (3) of a portal (1), whose inner tower section (21) - which can be extended out of the outer tower section (6), it being possible to pivot the latter around a pintle (5) provided at its lower end for the purpose of erection during assembly - is connected at its upper end with an articulated joint to the inner beam section (24) of the jib, on whose outer end is hinged an outer beam section (23) of the jib, these beam sections (23, 24) being provided with guideways for a trolley (20), with two braces (31, 32) hinged in the region of the tower head, over the outer locating points (33) of which a rear bracing wire (34) runs to a locating point on the revolving superstructure or superstructure frame (3), with a brace (22) hinged in the region of the articulated joint (25) of the beam sections (23, 24) of the jib where at the outer end of the middle brace (32) hinged in the region of the tower head two further bracing wires (36, 37) are connected, one of which (36) is connected in the region of the articulated joint (25) of the beam sections (23, 24), and the other of which (37) runs over a locating point at the outer end of the brace (22) hinged in the region between the beam sections (23, 24) to a locating point (38) at the outer end of the outer beam section (23), and with a trolley travelling winch and a hoisting winch (7, 8), characterised in that both winches (7, 8) are located in the region of the revolving superstructure or superstructure frame (3), the trolley cable (9) runs over at least one sheave (12, 13) mounted in the region of the lower end of the outer tower section (6), one sheave (14) mounted in the region of the upper end of the outer tower section (6), one sheave (15) mounted in the region of the lower end of the inner tower section (21), and over sheaves (16, 18, 19) mounted in the region of the tower head, the outer end of the outer beam section (23) of the jib and in the region of the articulated joint (25) of the beam sections (23, 24) to a locating point of a trolley (20) and the hoisting cable (39) runs over intermediate sheaves (40, 41), deflecting sheaves of the trolley (20) and the roller or rollers of the crane hook (43) to a locating point (44) at the outer end of the outer beam section (23).

IPC 1-7
B66C 23/34

IPC 8 full level
B66C 23/34 (2006.01)

CPC (source: EP)
B66C 13/10 (2013.01); **B66C 23/342** (2013.01)

Citation (search report)
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