

## Title (en)

CRANE WITH TELESCOPIC TOWER

## Publication

**EP 0152562 A3 19870909 (DE)**

## Application

**EP 84114596 A 19841130**

## Priority

- DE 3406243 A 19840221
- DE 3422146 A 19840614

## Abstract (en)

[origin: EP0152562A2] A slewing crane with a telescopic tower has two hinged bracing stays in the area of the tower top. A rear bracing rope runs via the outer fixed points of the bracing stays to a bottom fixed point. Fastened to the outer end of the centre bracing stay hinged in the area of the tower top are two further bracing ropes of which one is fastened in the area of the articulated connection of the support parts and the other runs via a fixed point at the outer end of a bracing stay hinged in the area between the support parts to a fixed point at the outer support part. So that the crane can be set up and assembled without additional assembly devices, the trolley travelling rope (9) runs over a rope pulley (10) arranged in the area of the tower top and is then run via rope pulleys (11, 12, 13) in each case in the area of the outer end of the bracing stay (22) hinged in the area of the articulated connection (25) of the support parts (23, 24) and in the area of the outer end of the outer support part (24) to a return rope pulley (14) at the trolley (20). From the latter, it runs via rope pulleys (12', 11') mounted parallel to the two rope pulleys (12, 11) of the outer support part (24) and the bracing stay (22) back to a rope pulley (15) mounted at the inner end area of the inner support part (23) or at the tower top. The rope returned around this rope pulley (15) is reeved between the bottom block (16) and the top block (17) of a block and tackle (18) and is anchored to a fixed point of one of the blocks (17). The top block (17) is fastened to the end of a rope (26) which is anchored to the bottom end of the inner tower (21) and is run over a lateral rope pulley (27) at the top end of the outer tower (6). The bottom block (16) is fastened to the end of the rope (28), which is anchored to a fixed point and is run over a rope pulley (30) mounted laterally at the bottom end of the outer tower part (6). <IMAGE>

## IPC 1-7

**B66C 23/34**

## IPC 8 full level

**B66C 23/34** (2006.01)

## CPC (source: EP)

**B66C 23/342** (2013.01)

## Citation (search report)

- [A] DE 1807676 A1 19700604 - WETZEL KG
- [A] DE 3005984 A1 19810903 - PEKAZETT BAUMASCH [DE]
- [A] FR 2155849 A1 19730525 - TS KONSTRUKTORS

## Cited by

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## Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

## DOCDB simple family (publication)

**EP 0152562 A2 19850828; EP 0152562 A3 19870909; DE 3422146 A1 19850822**

## DOCDB simple family (application)

**EP 84114596 A 19841130; DE 3422146 A 19840614**