

Title (en)

Mobile crane with a telescopic jib

Title (de)

Fahrbarer Kran mit einem Teleskopausleger

Title (fr)

Grue mobile avec un flèche télescopique

Publication

EP 0661234 B2 20040303 (DE)

Application

EP 94116337 A 19941017

Priority

DE 4344795 A 19931228

Abstract (en)

[origin: EP0661234A1] A mobile crane has a telescopic jib (1), the individual telescopic sections (3, 4, 5, 6) of which, after locking pin connections are released, can be extended and retracted by only one single-stage hydraulic piston/cylinder unit (7) and are pinned in the respectively extended and retracted positions by locking pins spring-loaded in the direction of their locked positions. The piston rod (12) of the piston/cylinder unit (7) is linked to the jib articulation piece terminating the inner end of the outer section (2). A driver device which can be coupled to receptacles of the telescopic sections is arranged in the end area of the cylinder from which the piston rod emerges. In order to avoid pinning cylinders for the individual sections (3, 4, 5, 6) with associated supply lines, each of the telescopic sections (3, 4, 5, 6) is provided at its inner end with an least one locking pin which is acted upon by a spring in the radial push-out direction for interlocking with a bore located at the inner end or in the area of the outer end of the section enclosing this section. <IMAGE>

IPC 1-7

B66C 23/693

IPC 8 full level

B66C 23/687 (2006.01); **B66C 23/68** (2006.01); **B66C 23/693** (2006.01); **B66C 23/70** (2006.01)

CPC (source: EP US)

B66C 23/705 (2013.01 - EP US); **B66C 23/708** (2013.01 - EP US)

Citation (opposition)

Opponent :

- SU 1255555 A1 19860907 - OD PROIZV OB TYAZHELOGO KRANOS [SU]
- DE 9113981 U1 19920402

Cited by

JP2001080883A; DE19925188C2; CN112777498A; DE10004838B4; EP1072554A1; DE10056649C1; DE10048224B4; DE19811813B4; EP1055635A3; EP0990617A1; CN103950848A; CN103407912A; CN108116995A; CN111379759A; DE10007773B4; DE19824671C2; EP0754646A1; DE19653502A1; US6062404A; DE19653502C2; EP2221270A3; WO9854081A1; DE202008007904U1; DE102009022710A1; EP4357292A1; US6206213B1; US10077173B2; DE202008007902U1; DE102009022709A1; US6527131B1

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