

Title (en)
RING LIFTING CRANE

Title (de)
RINGLIFTKRAN

Title (fr)
GRUE DE LEVAGE ANNULAIRE

Publication
EP 1068144 A1 20010117 (DE)

Application
EP 99924713 A 19990322

Priority
• DE 9900940 W 19990322
• DE 19814636 A 19980326

Abstract (en)
[origin: US6474487B1] A ringlift crane having a ring which can be elevated and forms an annular track. Arranged within the ring is a standardized undercarriage from a first crane class and a standardized upper carriage, which is connected for stowing action to the undercarriage and has a plurality of hoisting winches. The upper carriage is connected to one adapter in both end regions. The adapters are supported with rolling action on the annular track of the ring by rollers. The center point of the ring and/or of the undercarriage forms the stowing axis. One adapter is designed for accommodating a counterweight and the other adapter is designed as a load-bearing element for the main boom and the mast (counter-boom) which can be articulated at the free end of the adapter. The top of the mast is connected, on the one hand, to the counterweight via a stay cable and, on the other hand, to the head of the main boom via a changeable-length cable stay. A stay support is articulated on that side of the mast which is inclined toward the counterweight. The free end of the stay support is connected to the free end of the load-bearing bars of the counterweight via a changeable-length cable stay. The free cable end of the cable stay is connected to an auxiliary hoisting winch arranged on the load-bearing element.

IPC 1-7
B66C 23/82; **B66C 23/36**; **B66C 23/84**

IPC 8 full level
B66C 23/36 (2006.01); **B66C 23/74** (2006.01); **B66C 23/82** (2006.01); **B66C 23/84** (2006.01)

CPC (source: EP US)
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Designated contracting state (EPC)
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