

Title (en)
RING LIFT CRANE

Title (de)
RINGLIFTKRAN

Title (fr)
GRUE DE LEVAGE ANNULAIRE

Publication
EP 1263670 B1 20031105 (DE)

Application
EP 01913527 A 20010118

Priority
• DE 0100253 W 20010118
• DE 10002917 A 20000119

Abstract (en)
[origin: WO0153189A2] The invention relates to a ring lift crane comprising a ring which can be elevated, which has several segments that can be interconnected and which forms a circular track, within which a chassis is positioned. Said chassis has a revolving superstructure rotatably connected thereto, which is provided with several winches. The revolving superstructure has one adapter in each of its two opposite end sections and said adapters are supported on the circular track in a rolling manner by means of rollers that are located in the end area of the adapter. The centre of the ring or chassis forms the rotational axis. The rear adapter is configured for receiving a counter-weight and the front adapter is configured for receiving an articulated arm having at least one main arm in the form of a lattice mast. Elements for generating the rotational movement of the ring lift crane are provided and the chassis is joined to various sections of the ring using reinforcing struts. On at least one component of the lattice mast a lateral reinforcement which extends at least over half the length of the respective lattice mast component is provided.

IPC 1-7
B66C 23/00

IPC 8 full level
B66C 23/06 (2006.01); **B66C 23/00** (2006.01); **B66C 23/36** (2006.01); **B66C 23/64** (2006.01); **B66C 23/72** (2006.01); **B66C 23/74** (2006.01); **B66C 23/84** (2006.01)

CPC (source: EP US)
B66C 23/36 (2013.01 - EP US); **B66C 23/64** (2013.01 - EP US); **B66C 23/74** (2013.01 - EP US); **B66C 23/84** (2013.01 - EP US)

Cited by
EP2067737A1; DE102007058553A1

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
WO 0153189 A2 20010726; **WO 0153189 A3 20020307**; DE 10002917 A1 20010802; DE 50100910 D1 20031211; EP 1263670 A2 20021211; EP 1263670 B1 20031105; JP 2004502615 A 20040129; US 2003029826 A1 20030213; US 6679394 B2 20040120

DOCDB simple family (application)
DE 0100253 W 20010118; DE 10002917 A 20000119; DE 50100910 T 20010118; EP 01913527 A 20010118; JP 2001553205 A 20010118; US 16892302 A 20020624