

Title (en)
Crane

Title (de)
Kran

Title (fr)
Grue

Publication
EP 1516849 A3 20060315 (DE)

Application
EP 04020892 A 20040902

Priority
DE 20314503 U 20030918

Abstract (en)
[origin: EP1516849A2] The crane has an upper structure (4) rotatable around a vertical axis (3), a jib (5) connected to luff around a horizontal axis (6), a luffing device (8-10) for the luffing up and down of the jib, and an operating ballast (7) to counteract the moment of the jib. An erection sub-frame (11) is fastened on the upper structure and/or on the operating ballast, projecting rearwards, and is connected to an erection ballast (16) to assist in the erecting of the jib. The erection sub-frame has means of connection (14) for the attachment of a mobile crane as ballast.

IPC 8 full level
B66C 23/74 (2006.01); **B66C 23/76** (2006.01)

CPC (source: EP US)
B66C 23/74 (2013.01 - EP US)

Citation (search report)

- [XA] EP 0779235 A2 19970618 - LANDRY CAMILE J
- [X] SU 1463705 A2 19890307 - V KT I MEKH MONTAZHNYKH SP STR [SU]
- [A] DE 1809988 A1 19700604 - KRUPP GMBH
- [A] US 3955684 A 19760511 - NOVOTNY CARL F

Designated contracting state (EPC)
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DOCDB simple family (publication)
DE 20314503 U1 20050127; DE 502004003823 D1 20070628; EP 1516849 A2 20050323; EP 1516849 A3 20060315; EP 1516849 B1 20070516; US 2005061761 A1 20050324; US 7213716 B2 20070508

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