

Title (en)
Tower crane

Title (de)
Turmdrehkran

Title (fr)
Grue à tour

Publication
EP 0849213 B2 20100623 (DE)

Application
EP 97118984 A 19971030

Priority
DE 19653579 A 19961220

Abstract (en)
[origin: EP0849213A1] The maximum load for a rotary tower crane is stored as an extended limiting load curve in a memory module and a monitoring device acts to stop the crane operating when the load that is being carried reaches the extended limiting load curve. A controller is provided which allows only restricted operation of the crane between the limiting load curve and the extended limiting load curve, so that loads can only be moved at reduced speed and with reduced acceleration or deceleration. A switch is preferably provided to switch the crane operation to the extended load curve. One or more load curve limits can be provided in the increased carrying load area and a measuring device can report the position of the crane trolley.

IPC 8 full level
B66C 23/90 (2006.01)

CPC (source: EP KR)
B66C 13/16 (2013.01 - KR); **B66C 13/44** (2013.01 - KR); **B66C 23/16** (2013.01 - KR); **B66C 23/90** (2013.01 - EP); **B66C 2700/082** (2013.01 - KR); **B66C 2700/084** (2013.01 - KR)

Citation (opposition)
Opponent :

- GB 1403046 A 19750813 - WEIMAR KOMBINAT VEB
- FR 2041657 A5 19710129 - RICHIER SA

Cited by
DE102013005936A1; WO2014161636A1; DE10115312A1; US2012296519A1; CN110240066A; EP1748020A3; US6269635B1; DE212014000007U1; US10865075B2; EP2847121B1

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
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EP 97118984 A 19971030; AT 97118984 T 19971030; DE 19653579 A 19961220; DE 59702853 T 19971030; ES 97118984 T 19971030; KR 19970065318 A 19971202