

Title (en)

CRANE OR EXCAVATOR FOR HANDLING A CABLE-SUSPENDED LOAD PROVIDED WITH OPTIMISED MOTION GUIDANCE

Title (de)

KRAN ODER BAGGER ZUM UMSCHLAGEN VON EINER AN EINEM LASTSEIL HÄNGENDEN LAST MIT OPTIMISierter BEWEGUNGSFÜHRUNG

Title (fr)

GRUE OU EXCAVATRICE DESTINEE A LA MANIPULATION D'UNE CHARGE SUSPENDUE A UN CABLE PRESENTANT UN SYSTEME DE GUIDAGE OPTIMISE

Publication

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Application

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Priority

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- DE 10324692 A 20030530

Abstract (en)

[origin: WO2004106215A1] The invention relates to a crane or excavator for handling a cable-suspended load (3) comprising a rotation system for rotating the crane or excavator, a rocker system (7) for lifting or tilting a crane arm (5) and a lifting system for lifting or lowering the cable-suspended load (3) which is provided with a drive system. According to said invention, the crane or excavator comprises a continuous control system (31) whose output values are directly or indirectly used for input values for adjusting the position or speed of the crane or excavator, the control guiding values being generated in the continuous control system (31) in such a way that the amplitude of pendulum swing of the load is minimised.

IPC 1-7

B66C 13/06

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2004106215A1

Cited by

WO2019007541A1; CN107014902A; AU2018296142B2; GB2448432A; GB2448432B; EP4219383A1; WO2022141458A1; WO2021037526A1; WO2022114953A1; NL2026970B1; DE102021130785A1; WO2023094516A1; DE102018005068A1; WO2020001991A1; DE102017114789A1; US11447372B2; DE202019102393U1; WO2020182592A1; US11932517B2

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