

Title (en)

CONSTRUCTION MACHINE AND METHOD FOR OPERATING A CONSTRUCTION MACHINE

Title (de)

BAUMASCHINE UND VERFAHREN ZUM BETREIBEN EINER BAUMASCHINE

Title (fr)

MACHINE DE CONSTRUCTION ET PROCÉDÉ DE FONCTIONNEMENT D'UNE MACHINE DE CONSTRUCTION

Publication

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Application

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Priority

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Abstract (en)

[origin: US2023228153A1] The invention relates to a construction machine, in particular drilling rig, comprising a mast, along which a tool is movably mounted, wherein the tool is suspended on a cable which can be actuated by means of cable winch for raising and lowering the tool, which cable winch is driven by an electric motor, as a winch drive, in a drive mode, wherein the electric motor is designed for operating in a recuperation mode in which the electric motor preferably generates electrical energy when the tool is lowered and outputs said electrical energy to an energy store, and a controller, which is designed to actuate the electric motor, depending on a specifiable target value, in such a way that the cable is tensioned both in the drive mode and in the recuperation mode of the electric motor.

IPC 8 full level

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