

Title (en)

CONSTRUCTION MACHINE AND METHOD FOR OPERATING THE CONSTRUCTION MACHINE

Title (de)

BAUMASCHINE UND VERFAHREN ZUM BETREIBEN DER BAUMASCHINE

Title (fr)

MACHINE DE CONSTRUCTION ET PROCÉDÉ DE FONCTIONNEMENT DE LA MACHINE DE CONSTRUCTION

Publication

**EP 4174283 C0 20231206 (DE)**

Application

**EP 21205518 A 20211029**

Priority

EP 21205518 A 20211029

Abstract (en)

[origin: CN116065951A] The invention relates to a construction machine and a method for operating a construction machine. The construction machine comprises: a mobile carrier device; an introducer disposed at the construction machine and having a linear guide portion; a working carriage which is mounted on the linear guide of the guide in a vertically displaceable manner and is designed to hold a machining tool; a main hoist having a main rope, the free end of which is connected to the working carriage; a feed unit configured to advance the working carriage upward or downward along the guide and to apply a feed force in a working operation; a first measuring device for detecting an actual feed force applied to the working carriage; and a control device in which an upper limit value and/or a lower limit value are/is stored for the feed unit relative feed force, the control device being configured to automatically actuate the main hoist depending on the actual feed force value detected by the first measuring device such that the detected actual feed force value is lower than the upper limit value or higher than the lower limit value.

IPC 8 full level

**E21B 44/02** (2006.01); **E21B 7/02** (2006.01); **E21B 19/084** (2006.01)

CPC (source: CN EP)

**E21B 7/02** (2013.01 - CN); **E21B 7/022** (2013.01 - EP); **E21B 19/008** (2013.01 - CN); **E21B 19/084** (2013.01 - CN EP); **E21B 44/00** (2013.01 - CN); **E21B 44/02** (2013.01 - CN EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

**EP 4174283 A1 20230503**; **EP 4174283 B1 20231206**; **EP 4174283 C0 20231206**; CN 116065951 A 20230505

DOCDB simple family (application)

**EP 21205518 A 20211029**; CN 202211069203 A 20220902