

Title (en)

HYDRAULIC TUBING MACHINE AS AN ATTACHMENT FOR A MOBILE ROTARY BORING INSTALLATION

Title (de)

HYDRAULISCHE VERROHRUNGSMASCHINE ALS ANBAUGERÄT FÜR EINE MOBILE DREHBOHRANLAGE

Title (fr)

MACHINE HYDRAULIQUE DE TUBAGE A ACCOLER A UN APPAREIL MOBILE DE FORAGE ROTATIF

Publication

EP 0812377 B1 20011128 (DE)

Application

EP 96907991 A 19960315

Priority

- DE 9600459 W 19960315
- DE 19509379 A 19950315

Abstract (en)

[origin: WO9628630A1] The hydraulic tubing machine can be used and is suitable as an attachment for prior art mobile rotary boring installations to take boring tubes in full rotation down to greater boring depths or through harder ground strata without the need for additional hydraulic auxiliary drive motors with a separate hydraulic drive system. When the torque transmitted by the power rotary head (14) directly to the boring tube (17) becomes insufficient, a drilling rod system or Kelly rod (22) of the rotary boring installation is engaged with the Kelly box (12) of the tubing machine and the torque of the Kelly rod is transformed by means of a power transmission drive (3) in the tubing machine into a multiple and transmitted to the boring tube (17). Any greater reaction forces generated thereby are transmitted from the tubing machine to the installation's chassis (10). As a variant here, the torque can be transmitted to the Kelly box via an adapter secured to the power rotary head and a counter-adapter and it is also possible, independently thereof or in combination therewith to engage the torque of a hydraulic drive motor powered by the hydraulic system of the chassis running gear on an extension housing of the basic component with the power transmission drive.

IPC 1-7

E21B 3/02; **E21B 7/02**

IPC 8 full level

E21B 3/02 (2006.01); **E21B 3/025** (2006.01); **E21B 7/02** (2006.01)

CPC (source: EP)

E21B 3/025 (2013.01); **E21B 7/024** (2013.01)

Cited by

CN103982132A; CN102080500A

Designated contracting state (EPC)

AT CH DE FR IT LI

DOCDB simple family (publication)

WO 9628630 A1 19960919; AT E209750 T1 20011215; DE 19509379 A1 19960919; DE 59608318 D1 20020110; EP 0812377 A1 19971217; EP 0812377 B1 20011128

DOCDB simple family (application)

DE 9600459 W 19960315; AT 96907991 T 19960315; DE 19509379 A 19950315; DE 59608318 T 19960315; EP 96907991 A 19960315