

Title (en)

A HYDRAULIC ARRANGEMENT FOR TURNING THE ACTUATOR OF A ROCK DRILLING MACHINE

Title (de)

HYDRAULISCHE ANORDNUNG ZUR BETÄTIGUNG DES ANTRIEBS EINER GESTEINBOHRMASCHINE

Title (fr)

DISPOSITIF HYDRAULIQUE POUR ACTIVER L'ORGANE DE COMMANDE D'UNE MACHINE DE FORAGE DE ROCHES

Publication

EP 0824634 B1 20030115 (EN)

Application

EP 96910978 A 19960418

Priority

- FI 9600210 W 19960418
- FI 951913 A 19950421

Abstract (en)

[origin: WO9633337A1] The arrangement comprises a pressure medium cylinder (2) provided with two cylinder spaces (2a, 2b) and two pistons (3a, 3b), and a control valve (12). The control valve (12) can be placed in at least three control positions but in only one at a time. In each control position, the pressure fluid is arranged to affect both cylinder spaces (2a, 2b) of the cylinder (2) such that in the control position concerned, the pistons (3a, 3b) always settle in a certain predefined position.

IPC 1-7

E21D 20/00; **E21B 7/02**

IPC 8 full level

E21B 7/02 (2006.01); **E21B 15/04** (2006.01); **E21B 19/24** (2006.01); **E21D 20/00** (2006.01)

CPC (source: EP)

E21B 7/022 (2013.01); **E21D 20/003** (2013.01)

Cited by

CN109458201A

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

WO 9633337 A1 19961024; AT E231213 T1 20030215; AU 5400496 A 19961107; AU 704357 B2 19990422; DE 69625808 D1 20030220; EP 0824634 A1 19980225; EP 0824634 B1 20030115; FI 105944 B 20001031; FI 951913 A0 19950421; FI 951913 A 19961022; JP 3449725 B2 20030922; JP H11503800 A 19990330; NO 974784 D0 19971016; NO 974784 L 19971016; PL 322844 A1 19980216; ZA 962922 B 19961017

DOCDB simple family (application)

FI 9600210 W 19960418; AT 96910978 T 19960418; AU 5400496 A 19960418; DE 69625808 T 19960418; EP 96910978 A 19960418; FI 951913 A 19950421; JP 53150396 A 19960418; NO 974784 A 19971016; PL 32284496 A 19960418; ZA 962922 A 19960412