

Title (en)

Earth-drilling device.

Title (de)

Bohrgerät, insbesondere Erdbohrgerät.

Title (fr)

Dispositif de forage du sol.

Publication

EP 0439080 B1 19931124 (DE)

Application

EP 91100640 A 19910119

Priority

DE 4001681 A 19900122

Abstract (en)

[origin: EP0439080A1] In a drilling device which has at least one free-fall winch and a control-line system with actuating and control elements by means of which the free-fall winch can be put into the state "free-fall operation", at least one safety-switch element (37; 47), apart from an actuating element (35 or 36), is provided in a control line (34, 31 or 33) for a control member (30 or 32). In this arrangement, a predeterminable position of the safety-switch element (37; 47) is a prerequisite for activation of the control member (30 or 32) for the state "free-fall operation". In particular, a safety-switch element (47) is allocated to an actuating system (42, 43, 44, 45, 46) for the rotary mechanism of the drilling device and/or to an actuating system for the travelling mechanism of the drilling device. <IMAGE>

IPC 1-7

E02D 7/08; **E21B 7/02**

IPC 8 full level

E02D 7/08 (2006.01); **E21B 7/02** (2006.01); **E21B 15/04** (2006.01); **E21B 19/00** (2006.01); **E21B 44/00** (2006.01)

CPC (source: EP)

E21B 7/02 (2013.01); **E21B 7/022** (2013.01); **E21B 19/008** (2013.01)

Citation (examination)

- DE 3203432 A1 19830811 - ORENSTEIN & KOPPEL AG [DE]
- FR 2220630 A1 19741004 - POCLAIN SA [FR]

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0439080 A1 19910731; **EP 0439080 B1 19931124**; AT E97709 T1 19931215; DE 4001681 C1 19901220; DE 59100617 D1 19940105

DOCDB simple family (application)

EP 91100640 A 19910119; AT 91100640 T 19910119; DE 4001681 A 19900122; DE 59100617 T 19910119