

Title (en)

Method for monitoring a telescopic drill string and a protection device for a telescopic drill string

Title (de)

Verfahren zum Überwachen einer teleskopierbaren Bohrstange und Schutzvorrichtung für eine teleskopierbare Bohrstange

Title (fr)

Procédé de contrôle d'une tige de forage télescopique et dispositif de protection d'une tige de forage télescopique

Publication

**EP 0947664 A3 20001206 (DE)**

Application

**EP 99104296 A 19990303**

Priority

DE 19813902 A 19980328

Abstract (en)

[origin: DE19813902C1] The method involves measuring the required holding force for the rotary drive holder (8). This is compared with the theoretical pulling force based on the weight of the tubes (2,6,7). This force starts with the total weight of the tubes and is successively reduced to the weight of at least a further tube in dependence on the stroke distance covered. A signal is generated when the measured holding force falls to a predetermined value below the force corresponding to the respective stroke distance. Independent claims also cover a protective device for a telescopic tube.

IPC 1-7

**E21B 17/07**; **E21B 19/08**

IPC 8 full level

**E21B 15/00** (2006.01); **E21B 17/07** (2006.01); **E21B 19/08** (2006.01)

CPC (source: EP)

**E21B 17/07** (2013.01)

Citation (search report)

- [A] DE 19626223 A1 19980102 - KLEMM BOHRTECH [DE]
- [A] US 5630477 A 19970520 - MINATRE WILLIAM H [US]

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DE102012019850A1; EP2390458A1; CN109138971A; ITTO20100436A1; EP3907371A1; EP3287588A1; CN109563731A; RU2722612C1; CN112780175A; EP3882398A1; US11473375B2; WO2021224168A1; WO2018036713A1; EP1580398A1; US11927059B2; WO2021185499A1; EP3907371B1; EP2975208A2

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