

Title (en)  
hydraulic drilling machine of telescopic tower type

Title (de)  
Hydraulische Bohrmaschine mit teleskopierbarem Turm

Title (fr)  
Machine à forer hydraulique du type à tour télescopique

Publication  
**EP 0548900 B1 19970528 (EN)**

Application  
**EP 92121752 A 19921221**

Priority  
• IT TO910323 U 19911224  
• IT TO920228 U 19920923

Abstract (en)  
[origin: EP0548900A2] A drilling machine of the type comprising a drilling tower (10) fixed in a reclinable manner on a transporting vehicle (11) and provided with motive power units (15) and a driving head (30) for driving the drill rods. The drilling tower is of telescopic type slidable along a fixed guide structure or lattice (24) by the action of a hydraulic piston (23), the telescopic tower (22) being provided at its ends with a series of pulleys (27, 35) to allow the movement of flexible transmission means (28, 34) having one end connected to said driving head (30) and the other end connected to a point on the fixed structure (24), so as to form a closed ring about the tower (22). The drilling machine is also provided with a system for stowing and handling the drilling rods. <IMAGE>

IPC 1-7  
**E21B 15/00; E21B 7/02**

IPC 8 full level  
**E21B 7/02** (2006.01); **E21B 15/00** (2006.01); **E21B 19/084** (2006.01); **E21B 19/14** (2006.01); **E21B 19/15** (2006.01)

CPC (source: EP)  
**E21B 7/023** (2013.01); **E21B 7/024** (2013.01); **E21B 19/084** (2013.01); **E21B 19/14** (2013.01); **E21B 19/155** (2013.01)

Citation (examination)  
• US 3851770 A 19741203 - JENKINS C, et al  
• US 3443647 A 19690513 - JENKINS CECIL, et al  
• FR 2092611 A1 19720128 - SNECMA

Cited by  
EP2067924A1; WO2014054015A1; CN103603599A; CN102518396A; DE102008037339A1; CN102168524A; CN105696941A; EP1288433A1; EP0979924A3; US5375667A; RU2647522C2; CN102364028A; CN102505920A; EP4092195A1; GB2381548A; GB2381548B; CN107420041A; US2010316451A1; DE102011100691A1; US8408329B2; IT201800001088A1; EP2067923A1; CN115653493A; US6113334A; EP2345764A1; EP1990504A3; CN102155169A; US2015167407A1; US9523249B2; FR2916012A1; DE19962298A1; DE19962298C2; FR2801633A1; EP2378001A1; CN102220838A; EP1103695A3; CN103806850A; US6808029B2; US7077209B2; US8567519B2; EP1990504A2; WO2019142091A1; US9574403B2; WO2015056132A1; US10662717B2; US7905300B2; US11459826B2; US8887830B2; US9410382B2; WO2013173101A3; WO2022243001A1; US9267341B2; US9273524B2; US9309728B2; US9790751B2

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