

Title (en)
HINGED DRILLING TOOL

Title (de)
GELENKIGES BOHRWERKZEUG

Title (fr)
OUTIL ARTICULE DE FORAGE

Publication
EP 0765427 B1 19980812 (FR)

Application
EP 95923382 A 19950614

Priority
• FR 9500779 W 19950614
• FR 9407551 A 19940615

Abstract (en)
[origin: WO9534741A1] The invention relates to a tool for drilling oil, gas or geothermic wells. The tool is comprised of two main members, a hollow shaft (1) and a blind tool body (2) more elongate than conventional tool bodies; the two main members are spherically connected to each other by means of a ball joint (4, 5). Said ball joint is located at the very bottom of the blind portion of the tool body which carries a stabilizer (19) at the other end. The tool is also provided, between the hollow shaft and the tool body, with an appropriate transmission system (6, 7, 8, 9, 11), which is spaced apart from the ball joint and situated between the latter and the stabilizer. The essential advantage of said tool lies in the relative position of the ball joint and the stabilizer, said positioning conferring on the tool a favourable dynamic behaviour, without risk of buttressing. Field of application: drilling of oil wells, gas wells and geothermic wells.

IPC 1-7
E21B 17/04; **E21B 10/00**; **E21B 7/04**; **E21B 17/05**; **E21B 17/10**

IPC 8 full level
E21B 7/10 (2006.01); **E21B 17/05** (2006.01); **E21B 17/10** (2006.01)

CPC (source: EP US)
E21B 17/05 (2013.01 - EP US); **E21B 17/1064** (2013.01 - EP US)

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
WO 9534741 A1 19951221; CA 2190658 A1 19951221; CA 2190658 C 19990928; DE 69504070 D1 19980917; DE 69504070 T2 19990527; EP 0765427 A1 19970402; EP 0765427 B1 19980812; FR 2721346 A1 19951222; FR 2721346 B1 19960830; NO 965359 D0 19961213; NO 965359 L 19970213; RU 2133814 C1 19990727; US 5836407 A 19981117

DOCDB simple family (application)
FR 9500779 W 19950614; CA 2190658 A 19950614; DE 69504070 T 19950614; EP 95923382 A 19950614; FR 9407551 A 19940615; NO 965359 A 19961213; RU 97100732 A 19950614; US 75046797 A 19970321