

Title (en)

DEVICE FOR ADJUSTING THE PATH AZIMUTH OF A ROTARY DRILLING TOOL

Title (de)

Vorrichtung zum Steuern des Azimuts der Fahrt eines Drehbohrwerkzeuges

Title (fr)

DISPOSITIF DE REGLAGE DE L'AZIMUT DE LA TRAJECTOIRE D'UN OUTIL DE FORAGE EN MODE ROTARY

Publication

EP 0546135 B1 19960221 (FR)

Application

EP 92912960 A 19920624

Priority

- FR 9200578 W 19920624
- FR 9108405 A 19910704

Abstract (en)

[origin: FR2678678A1] An adjustment device consisting of at least one drill string element (40) rigidly secured in rotation to the drill string in the region of the drilling tool. The element (40) comprises portions (41, 43, 46) of which the outer bearing surfaces are arranged along a cylindrical surface which is substantially coaxial with the drill string (48) and has a diameter substantially equal to the nominal diameter of the hole (4). Said portions are arranged around the axis so as to generate, during part of the drill string rotation, and by reaction on the element (40) of the wall of the hole (4), tipping forces urging the drilling tool out of the drilling plane. The bearing portions (45,46) may partially consist of variable-diameter movable blades.

IPC 1-7

E21B 7/06; **E21B 17/10**

IPC 8 full level

E21B 7/06 (2006.01); **E21B 17/10** (2006.01)

CPC (source: EP US)

E21B 7/06 (2013.01 - EP US); **E21B 17/1014** (2013.01 - EP US); **E21B 17/1078** (2013.01 - EP US)

Designated contracting state (EPC)

FR GB IT NL

DOCDB simple family (publication)

FR 2678678 A1 19930108; CA 2090676 A1 19930105; EP 0546135 A1 19930616; EP 0546135 B1 19960221; NO 304034 B1 19981012; NO 930777 D0 19930303; NO 930777 L 19930503; US 5350028 A 19940927; WO 9301390 A1 19930121

DOCDB simple family (application)

FR 9108405 A 19910704; CA 2090676 A 19920624; EP 92912960 A 19920624; FR 9200578 W 19920624; NO 930777 A 19930303; US 98353393 A 19930428