

Title (en)

Method and system of drilling deviated wellbores.

Title (de)

Verfahren und Vorrichtung für das Bohren abgelenkter Bohrlöcher.

Title (fr)

Procédé et dispositif pour le forage de puits déviés.

Publication

**EP 0184304 A1 19860611 (EN)**

Application

**EP 85307707 A 19851025**

Priority

US 66913584 A 19841107

Abstract (en)

Directional drilling is carried out with a rotary drilling tool having a drill string 17, a drill bit 19, a drill motor 31 for rotating the drill bit independently of the drill string, an extension sub 32 having both axially contracted and axially extended positions for providing weight to the drill bit when moving from a contracted to an extended position so as to effect a drilling stroke by the drill bit into the wellbore bottom when drilling with the drill bit independently of rotation of the drill string and a bent sub affixed below the lower end of the drill string for angularly displacing the axes of the drill bit and extension sub from the axis of the drill string so as to effect a deviation of the wellbore.

IPC 1-7

**E21B 7/04**; E21B 4/20; E21B 17/07; E21B 4/00

IPC 8 full level

**E21B 4/20** (2006.01); **E21B 7/04** (2006.01); **E21B 7/08** (2006.01); **E21B 17/07** (2006.01); **E21B 44/00** (2006.01)

CPC (source: EP)

**E21B 4/20** (2013.01); **E21B 7/04** (2013.01); **E21B 17/07** (2013.01); **E21B 44/005** (2013.01)

Citation (search report)

- [X] US 3978930 A 19760907 - SCHROEDER RONDON L
- [Y] BE 536490 A
- [Y] US 3497019 A 19700224 - ORTLOFF JOHN E
- [Y] US 3713500 A 19730130 - RUSSELL M
- [X] GB 764099 A 19561219 - BATAAFSCHE PETROLEUM
- [X] EP 0110182 A2 19840613 - ADVANCED DRILLING CORP [US]
- [X] US 3827512 A 19740806 - EDMOND T
- [A] US 2776817 A 19570108 - GREGORY JAMES N, et al
- [A] US 3203184 A 19650831 - FRANK WHITTLE, et al
- [A] FR 2544375 A1 19841019 - ALSTHOM ATLANTIQUE [FR]
- [A] US 4465147 A 19840814 - FEENSTRA ROBIJN [NL], et al
- [A] US 4384625 A 19830524 - ROPER WILBUR F, et al
- [E] EP 0171259 A1 19860212 - MOBIL OIL CORP [US]

Cited by

US4754819A

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**EP 0184304 A1 19860611**; CA 1245212 A 19881122; NO 854406 L 19860509

DOCDB simple family (application)

**EP 85307707 A 19851025**; CA 493968 A 19851028; NO 854406 A 19851105