Title (en)
METHOD FOR DRILLING OIL AND GAS WELLS

Title (de)
VERFAHREN ZUM BOHREN VON ÖL UND GASBOHRLÖCHERN

Title (fr)
PROCEDE DE FORAGE DE PUITS DE PETROLE ET DE GAZ

Publication
EP 1787006 A1 20070523 (EN)

Application
EP 05769431 A 20050805

Priority
• GB 2005003102 W 20050805
• GB 0420002 A 20040909

Abstract (en)
[origin: WO2006027541A1] When drilling or completing an oil or gas well, it is often desirable to drill a borehole at an angle to the initial borehole. A process for deflecting a well tool towards the wall of a well bore comprises positioning within the well bore a radially expandable pipe designed to curve longitudinally when its diameter is expanded, expanding the diameter of the radially expandable pipe thereby causing the pipe to curve and passing the well tool through the curved pipe: The process is particularly suitable for through-tubing operations in which a lateral bore is initiated from a production well having within the well a smaller diameter production tubing (14) comprising (i) passing through the production tube (14) a radially expandable pipe (1) designed to curve longitudinally as its diameter is expanded, into a section of well bore (12) having a diameter greater than the diameter of the production tubing (14) (ii) expanding the diameter of the radially expandable pipe (1) thereby causing the pipe to curve, (iii) passing through the curved pipe a milling device or drill bit and (iv) milling the casing or drilling into the well bore wall.

IPC 8 full level
E21B 43/10 (2006.01); E21B 7/06 (2006.01); E21B 17/10 (2006.01)

CPC (source: EP US)
E21B 7/06 (2013.01 - EP US); E21B 17/1021 (2013.01 - EP US); E21B 43/103 (2013.01 - EP US)

Citation (search report)
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WO 2006027541 A1 20060316; AT E393868 T1 20080515; CA 2575603 A1 20060316; DE 602005006426 D1 20080612; DE 602005006426 T2 20080814; EP 1787006 A1 20070523; EP 1787006 B1 20080430; GB 0420002 D0 20041013; US 2008190624 A1 20080814

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