

Title (en)  
METHOD AND SYSTEM FOR STEERING A DIRECTIONAL DRILLING SYSTEM

Title (de)  
VERFAHREN UND SYSTEM ZUR LENKUNG EINES DIREKTIONALEN BOHRSYSTEMS

Title (fr)  
PROCÉDÉ ET SYSTÈME POUR ORIENTER UN SYSTÈME DE FORAGE DIRECTIONNEL

Publication  
**EP 2176494 A1 20100421 (EN)**

Application  
**EP 08788301 A 20080812**

Priority

- GB 2008002732 W 20080812
- US 83938107 A 20070815
- US 11640808 A 20080507
- US 11644408 A 20080507
- US 11639008 A 20080507
- US 11638008 A 20080507

Abstract (en)  
[origin: WO2009022114A1] In certain aspects, side cutting of a sidewall of the borehole by a drill bit under an applied side force is controlled by a geostationary element to provide for directional side cutting and, as a result, directional drilling of the borehole through the earth formation. In other aspects, a non-concentrically coupled gauge pad assembly may rotate with the drilling system and bias or focus the applied side force.

IPC 8 full level  
**E21B 7/06** (2006.01)

CPC (source: EP)  
**E21B 7/06** (2013.01); **E21B 44/005** (2013.01)

Citation (search report)  
See references of WO 2009022128A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**WO 2009022114 A1 20090219**; AU 2008288343 A1 20090219; CA 2694857 A1 20090219; CA 2694858 A1 20090219; CA 2694858 C 20180703; CA 2694868 A1 20090219; CA 2694977 A1 20090219; CN 101778992 A 20100714; CN 101784746 A 20100721; CN 101784746 B 20140625; CN 101827994 A 20100908; CN 101827995 A 20100908; CN 101827995 B 20140226; CN 103299020 A 20130911; CN 103299020 B 20160413; CN 103774990 A 20140507; EA 017791 B1 20130329; EA 018610 B1 20130930; EA 018829 B1 20131129; EA 019369 B1 20140331; EA 201070263 A1 20100830; EA 201070264 A1 20100830; EA 201070265 A1 20100830; EA 201070266 A1 20110228; EA 201070267 A1 20101029; EP 2176493 A1 20100421; EP 2176494 A1 20100421; EP 2188483 A1 20100526; EP 2188484 A1 20100526; MX 2010001814 A 20100310; MX 2010001815 A 20100310; MX 2010001816 A 20100310; MX 2010001817 A 20100310; MX 337972 B 20160329; MX 340647 B 20160719; MX 341532 B 20160824; WO 2009022115 A1 20090219; WO 2009022116 A1 20090219; WO 2009022128 A1 20090219

DOCDB simple family (application)  
**GB 2008002705 W 20080812**; AU 2008288343 A 20080812; CA 2694857 A 20080812; CA 2694858 A 20080812; CA 2694868 A 20080812; CA 2694977 A 20080812; CN 200880103153 A 20080812; CN 200880103169 A 20080812; CN 200880103209 A 20080812; CN 200880111732 A 20080812; CN 200880111782 A 20080812; CN 201410032693 A 20080812; EA 201070263 A 20080812; EA 201070264 A 20080812; EA 201070265 A 20080812; EA 201070266 A 20080812; EA 201070267 A 20080812; EP 08788276 A 20080812; EP 08788277 A 20080812; EP 08788278 A 20080812; EP 08788301 A 20080812; GB 2008002706 W 20080812; GB 2008002707 W 20080812; GB 2008002732 W 20080812; MX 2010001814 A 20080812; MX 2010001815 A 20080812; MX 2010001816 A 20080812; MX 2010001817 A 20080812