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— *as to the identity of the inventor (Rule 4.17(i))*

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

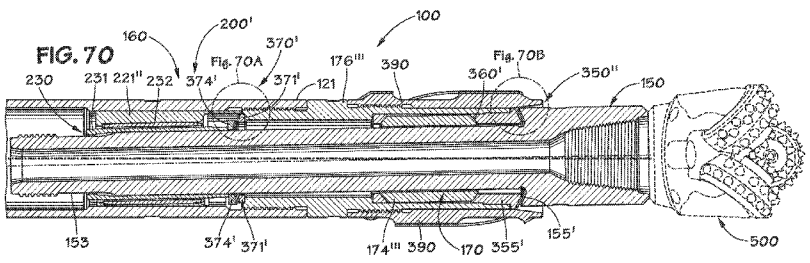
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(54) Title: DRILLING SYSTEM, BIASING MECHANISM AND METHOD FOR DIRECTIONALLY DRILLING A BOREHOLE



(57) Abstract: A drilling system for directional drilling of a borehole includes a biasing mechanism (160) having a pivot (170) associated with a lower bearing assembly (125), an offset mechanism (200) associated with an upper radial bearing assembly (135), and a toolface controller (250), whereby the angular relationship of a drill bit and its toolface angle may be actively managed.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. E21B7/06 E21B44/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 216 802 B1 (SAWYER DONALD M [US]) 17 April 2001 (2001-04-17) column 3, line 32 - column 4, line 65; figures 1-6	1-107
X	WO 2007/134748 A1 (SCHLUMBERGER SERVICES PETROL [FR]; SCHLUMBERGER TECHNOLOGY BV [NL]; SC) 29 November 2007 (2007-11-29) paragraphs [0035], [0038] - [0046]; claims 1, 3, 19; figures 1-24	1-82, 86-88, 95,99, 107
X	US 5 050 692 A (BEIMGRABEN HERBERT W [US]) 24 September 1991 (1991-09-24) column 4, lines 10-65; claims 1-5; figures 1-3	1-107

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA/	Authorized officer
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 109 699 B1 (SHELL INT RESEARCH [NL]) 12 November 1986 (1986-11-12) paragraphs [0015] - [0017], [0022] - [0025]; claims 1, 2; figures 1-3 -----	1-107
A	US 7 311 157 B1 (CLARKE RALPH L [US]) 25 December 2007 (2007-12-25) the whole document -----	1-107

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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