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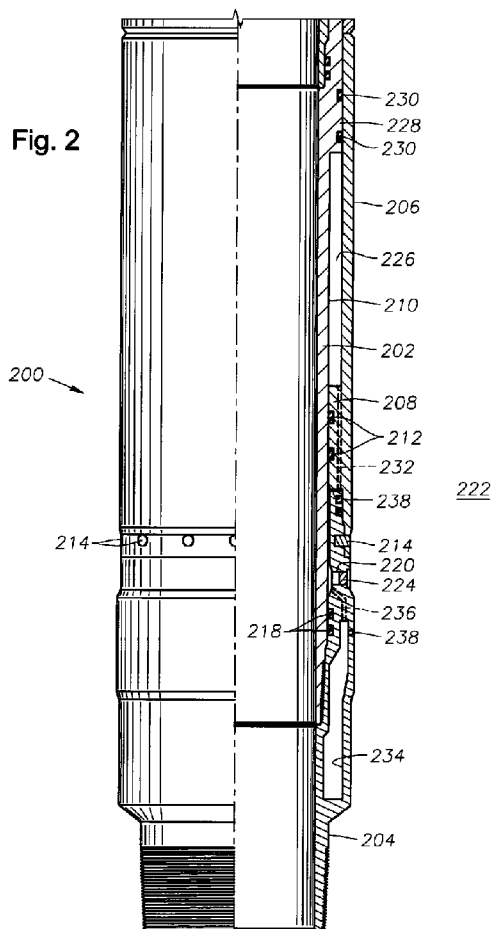
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[Continued on next page]

(54) Title: PRESSURE COMPENSATOR FOR HYDROSTATICALLY-ACTUATED PACKERS

(57) Abstract: Devices and methods for operating a tool within a wellbore. A downhole tool includes a tool operation portion having a moveable tool member and a setting portion having a setting piston and setting chamber. A fluid pressure compensation reservoir is in fluid communication with the setting chamber and containing a pressurized fluid which offsets external hydrostatic pressure.





MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/036108**A. CLASSIFICATION OF SUBJECT MATTER*****E21B 23/06(2006.01)i, E21B 33/128(2006.01)i***

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)

IPC: E21B 23/06, 33/128

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

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

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

eKOMPASS(KIPO internal) & keywords: primary setting piston, setting chamber, fluid pressure compensation reservoir

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6779600 B2(KING et al.) 24 AUGUST 2004 See the Abstract, Fig. 1 and Column 2	1-23
A	US 5893413 A(LEMBCKE et al.) 13 APRIL 1999 See the Abstract, Fig. 1 and Columns 3,4	1-23
A	US 6186227 B1(VAYNSHTEYN et al.) 13 FEBRUARY 2001 See the Abstract, Fig. 7 and Column 5	1-23
A	WO 98/054439 A1(PETROLEUM ENGINEERING SERVICES LIMITED) 3 DECEMBER 1998 See the Abstract, Fig. 2 and Claim 1	1-23

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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