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Declarations under Rule 4.17:

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

[Continued on next page]

(54) Title: MODULAR CONTROL SYSTEM FOR DOWNHOLE TOOL

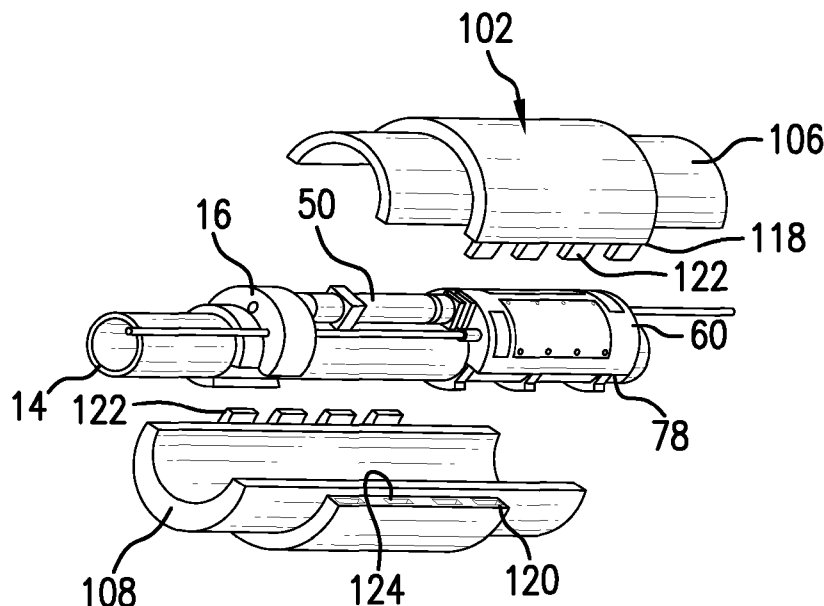


FIG.5

(57) Abstract: A modular control system includes a control module removably attachable to an exterior of a downhole tool. A controlled device, the controlled device providing a function for the downhole tool. The controlled device controlled by the control module.



- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))* — *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/034976**A. CLASSIFICATION OF SUBJECT MATTER*****E21B 34/16(2006.01)i, E21B 44/02(2006.01)i, E21B 4/06(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)

E21B 34/16; E21B 47/04; E21B 34/06; E21B 47/09; E21B 17/01; E21B 34/10

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: "downhole", "control module", "controlled device", "clamshell packoff", "eletronic" and "valve assembly"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y A	WO 2009-026217 A2 (BAKER HUGHES INCORPORATED et al.) 26 February 2009 See paragraphs [0016]-[0018] and figures 1,2.	2 1,3-20
Y A	US 06138754 A (VENERUSO, ANTHONY F. et al.) 31 October 2000 See column 2, lines 47-61 and figures 2,3.	6 1-5,7-20
Y A	US 2010-0284750 A1 (BEGLEY, AARON) 11 November 2010 See paragraph [0018] and figure 6.	19 1-18,20
A	US 2003-0070806 A1 (CONNELL, MICHAEL L. et al.) 17 April 2003 See paragraphs [0026],[0029] and figures 3a,3b.	1-20

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

* Special categories of cited documents:

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/034976

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