



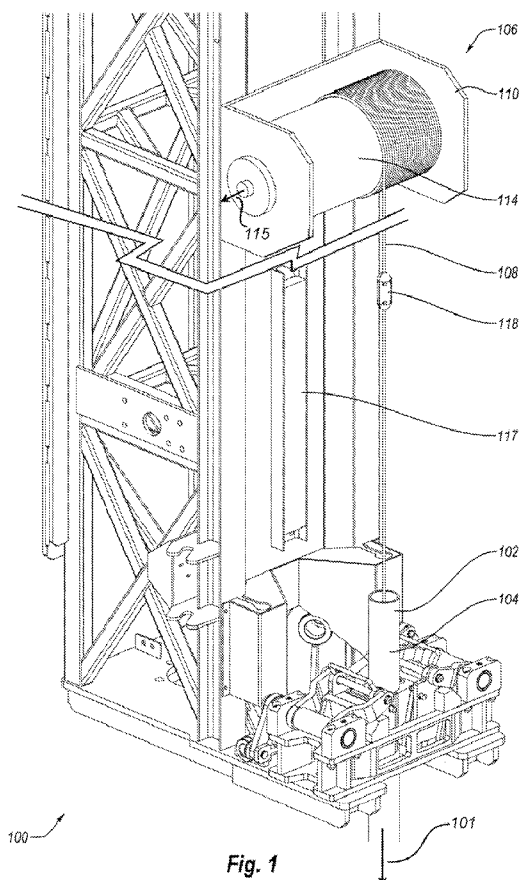
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- (71) Applicant (for all designated States except US):
LONGYEAR TM, INC. [US/US]; 10808 South River
Front Parkway, Suite 600, South Jordan, UT 84095 (US).

- (72) Inventors; and
(75) Inventors/Applicants (for US only): **RIBOLDI, Adam, John** [AU/AU]; 8 Maybury Street, Highfields, NSW, 2289 (AU). **ESCUDEIRO, Fernando Fidel, Aleite** [SE/AU]; 181 Diagonal Road, Warradale, Sa, 5046 (AU). **PEARCE, Michael, Luke** [AU/AU]; 17 Bauldry Avenue, Farrar, 0830 (AU).
- (74) Agents: **DECARLO, Kean, J.** et al.; Ballard Spahr LLP, 999 Peachtree Street, Suite 1000, Atlanta, GA 30309 (US).
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[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR LIMITING WINCH OVERRUN

(57) Abstract: A retrieval system for a wireline drilling system having a winch, a wireline rope connected to the winch, and a core sampler connected to the wireline rope. The retrieval system includes a radio-frequency identification (RFID) transponder and a controller that, in response to receiving a wireless signal from the RFID transponder, automatically adjusts a speed at which the winch retrieves the core sampler.





OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/040133**A. CLASSIFICATION OF SUBJECT MATTER*****B66D 1/56(2006.01)i, E21B 49/02(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)

B66D 1/56; E21B 47/04; B66C 13/50; E21B 25/00; E21B 31/00; E21B 47/09; B66C 13/18; E21B 34/16

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: "winch", "hoist", "over-run", "over-winding", "RFID", "transponder", "transducer", "antenna", "receiver", "transceiver", "distance", "radio-frequency", "signal", "position", "displacement", "movement", "detect" and "track"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0012383 A1 (DRENTH, CHRIS LLOYD) 21 January 2010 See abstract, paragraph [0049] and figures 1-6C.	1-20
A	US 7458421 B2 (BARROW, HARRY et al.) 02 December 2008 See abstract, column 4, lines 41-57 and figure 1.	1-20
A	EP 0921089 A2 (GROVE U.S. LLC) 09 June 1999 See abstract, paragraphs [0008]-[0014], claims 1-22 and figures 1,2.	1-20
A	US 2011-0089131 A1 (MORATH, ERWIN) 21 April 2011 See abstract, paragraphs [0069],[0070] and figures 2,3.	1-20
A	US 03930679 A (ANDERSON, RONALD B. et al.) 06 January 1976 See abstract and figures 1-7.	1-20

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

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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

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"&" document member of the same patent family

Date of the actual completion of the international search

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Korean Intellectual Property Office
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan
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Authorized officer

Jeong A Ram

Telephone No. 82-42-481-3388



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/040133

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