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(81) Designated States (unless otherwise indicated, for every kind of national protection available):

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, 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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(54) Title: DRILLING CONTROL SYSTEM

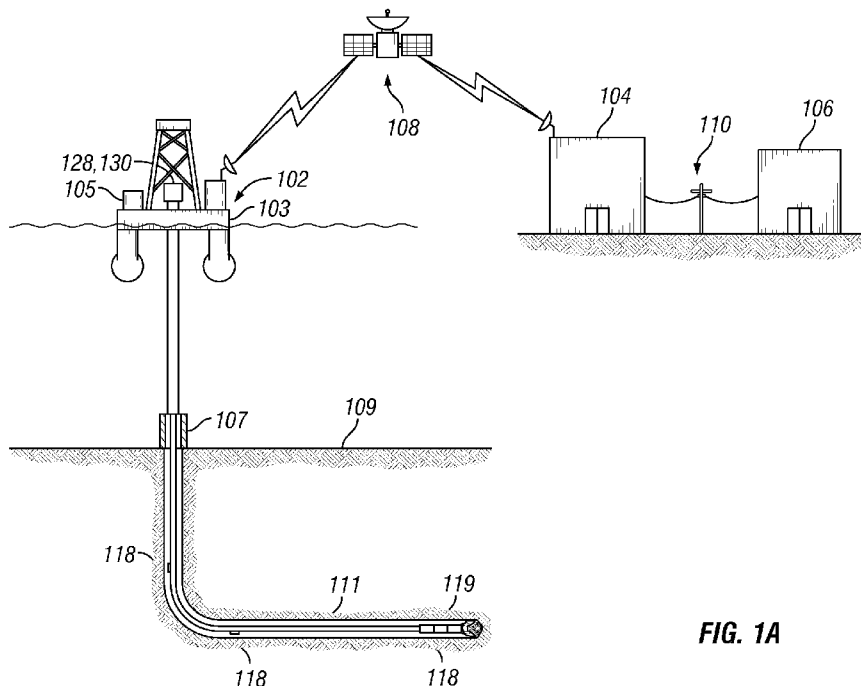


FIG. 1A

(57) Abstract: A drilling control system comprising: a rig site network (102) including a drilling equipment controller (112) and a drilling parameter sensor (116); a downhole sensor (118) communicatively coupled to the rig site network; a data center (104) communicatively coupled to the rig site network; a remote access site (106) communicatively coupled to the data center; and a drilling oscillation application (1000) communicatively coupled to the rig site network, wherein the drilling oscillation application receives data from the drilling parameter sensor and/or the downhole sensor and issues an operating instruction to the drilling equipment controller, wherein the operating.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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 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, WPI Data

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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X	WO 2004/090285 A1 (BAKER HUGHES INC [US]) 21 October 2004 (2004-10-21) the whole document -----	1-20
X	US 2007/256863 A1 (HULICK KENT E [US] ET AL HULICK KENT ERIN [US] ET AL) 8 November 2007 (2007-11-08) the whole document -----	1-20

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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