



(43) International Publication Date
21 November 2013 (21.11.2013)

(51) International Patent Classification:

E21B 47/14 (2006.01) E21B 47/0224 (2012.01)
E21B 47/00 (2012.01)

(21) International Application Number:

PCT/US2013/041569

(22) International Filing Date:

17 May 2013 (17.05.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/475,314 18 May 2012 (18.05.2012) US

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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.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

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: METHOD OF GENERATING AND CHARACTERIZING A SEISMIC SIGNAL IN A DRILL BIT

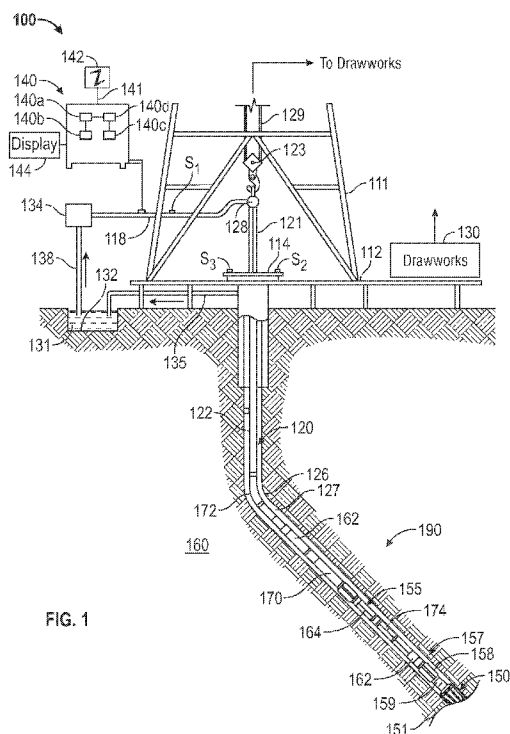


FIG. 1

(57) Abstract: A method, apparatus and system for estimating a parameter of interest downhole is disclosed. An acoustic source signal is generated at a drill bit downhole. The generated acoustic source signal is received at a source sensor at the drill bit. A character of the generated acoustic source signal is determined from the received signal at the source sensor. The characterized source signal is used to estimate the downhole parameter of interest.



Published:

— *with international search report (Art. 21(3))*