



- (51) International Patent Classification:
G01V 1/48 (2006.01)
- (21) International Application Number:
PCT/US2011/030935
- (22) International Filing Date:
1 April 2011 (01.04.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **HAL-LIBURTON ENERGY SERVICES, INC.** [US/US]; 10200 Bellaire Boulevard, Houston, TX 77072 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **DONDERICI, Burkay** [TR/US]; 14633 Woodson Park Drive, Apt. 1421, Houston, TX 77044-4514 (US).
- (74) Agent: **ANJOM, Masood**; Baker Botts LLP, 910 Louisiana Street, Houston, TX 77002 (US).

MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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))
- of inventorship (Rule 4.17(iv))

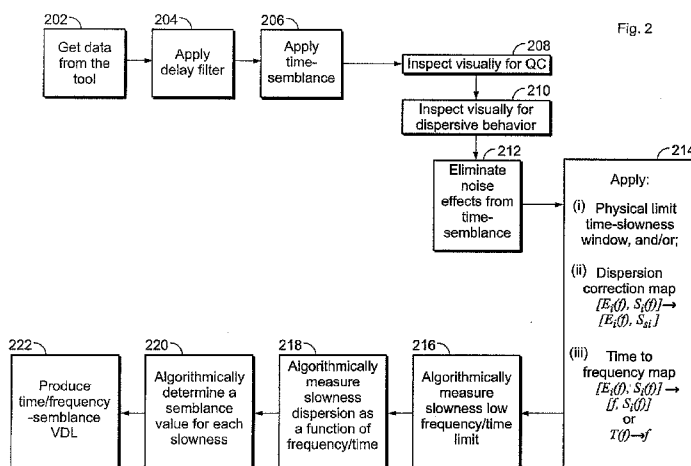
Published:

- with international search report (Art. 21(3))
- 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))

- (88) Date of publication of the international search report:
17 January 2013

- (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, 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,

(54) Title: IMPROVED TIME-BASED PROCESSING OF BROADBAND BOREHOLE ACOUSTIC DATA



(57) Abstract: Methods and systems for improving time-semblance processing of acoustic data are disclosed. Acoustic data is obtained from a tool in a formation. A delay filter is then designed and applied to the obtained acoustic data to obtain delayed acoustic data. Time semblance is then applied to this delayed acoustic data.

WO 2012/134496 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2011/030935

A. CLASSIFICATION OF SUBJECT MATTER
INV. G01V1/48
ADD.

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)
G01V

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, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 856 912 B2 (FEHMERS GIJSBERT CHRISTIAAN [NL] ET AL) 15 February 2005 (2005-02-15) column 7, line 10 - line 53 -----	1,2,4-7, 9,12,18
X	US 2009/067286 A1 (BOSE SANDIP [US] ET AL) 12 March 2009 (2009-03-12) page 2, paragraph 0012 page 3, paragraphs 0013, 0028, 0029 page 4, paragraph 0030 -----	1-7,9, 11-13,18
X	WO 2008/150253 A1 (HALLIBURTON ENERGY SERV INC [US]; CRAWFORD DON [US]; MANDAL BATAKRISHN) 11 December 2008 (2008-12-11) page 8, line 3 - line 15 -----	1,18
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See patent family annex.

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Date of the actual completion of the international search

19 November 2012

Date of mailing of the international search report

26/11/2012

Name and mailing address of the ISA/
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Swartjes, Harrie

INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/US2011/030935

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