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CONNELL, Kevin [IE/NO]; Pb 234, N-1372 Asker (NO).

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(74) Agent: WELLS, Richard, V.; WesternGeco L. L. C., IP Dept, 10001 Richmond Avenue, Houston, Texas 77042 (US).

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(71) Applicant (for all designated States except CA, US):
GECO TECHNOLOGY B.V. [NL/NL]; Gevers Deynootweg 61, NL-2586 BJ S Gravenhage (NL).

(71) Applicant (for CA only): **SCHLUMBERGER CANADA LIMITED** [CA/CA]; 525 - 3rd Avenue S.W., Calgary, Alberta T2P 0G4 (CA).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **LIU, Qinglin** [CN/NO]; H0204, LilleStranden 8, N-0252 Oslo (NO). O'-

[Continued on next page]

(54) Title: VIBROSEIS ACQUISITION TECHNIQUE AND SYSTEM USING DYNAMIC SOURCE CONTROL

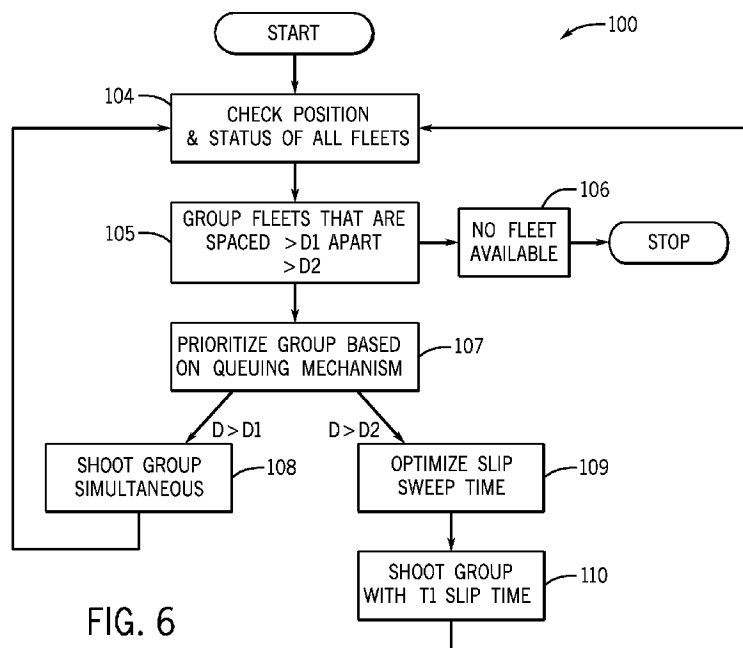


FIG. 6

(57) Abstract: A technique includes during a seismic acquisition, selectively forming groups of at least one seismic source from a plurality of seismic sources as the seismic sources become available based at least in part on a minimum source spacing distance. The technique also includes selectively activating the groups. Each group responds to being activated by substantially simultaneously initiating a sweep for the seismic source(s) of the group. The technique further includes regulating a timing of the group activations based at least in part on a slip time and a minimum group spacing distance.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/041608**A. CLASSIFICATION OF SUBJECT MATTER*****G01V 1/22(2006.01)i, G01V 1/02(2006.01)i, G01V 1/24(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)

G01V 1/22; G01V 1/143; G01V 1/28; G01V 1/00

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

eKOMPASS(KIPO internal) & Keywords: seismic, vibrator, vibroseis, group, slip, minimum, source, spacing, distance and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7672194 B2 (JEFFRYES, B. P.) 02 March 2010 See the whole document.	1-22
A	US 2010-0020640 A1 (EICK, P. M. et al.) 28 January 2010 See the whole document.	1-22
A	US 2010-0085836 A1 (BAGAINI, C. & MOORE, I.) 08 April 2010 See the whole document.	1-22
A	US 7492665 B2 (ROBERTSSON, J. O. A. et al.) 17 February 2009 See the whole document.	1-22

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

* Special categories of cited documents:

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Korean Intellectual Property Office
Government Complex-Daejeon, 189 Cheongsu-ro,
Seo-gu, Daejeon 302-701, Republic of Korea

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Authorized officer

Kim, Hye Won

Telephone No. 0424815456



INTERNATIONAL SEARCH REPORT

Information on patent family members

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