Title: DATA ADAPTIVE VIBRATORY SOURCE ACQUISITION METHOD

Abstract: Method for conducting a seismic survey (23) wherein the acquisition parameters are modified as the survey progresses using information (24) from sensors located to monitor structures and fixtures located in the survey area. The sensor output is compared to acceptable levels, and acquisition parameters such as the seismic source strength are adjusted (26) to prevent exceeding the acceptable levels. An automated arbitration scheme (22) is used to resolve conflicting system goals within survey resource constraints.

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as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(H))

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INTERNATIONAL APPLICATION No

INTERNATIONAL SEARCH REPORT

A CLASSIFICATION OF SUBJECT MATTER

IPC GOIV 1/00( 2006 01),l/143( 2006 01),l/145( 2006 01)

USPC 367/41,42,189,190

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)

US 367/41,42,189,190

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)

C DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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Further documents are listed in the continuation of Box C

Date of the actual completion of the international search

28 March 2008 (28 03 2008)

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