METHOD AND SYSTEM FOR SYNCHRONIZING GEOPHYSICAL SURVEY DATA

A method and system for synchronizing geophysical survey data is provided. Detection of geophysically significant subsurface anomalies potentially associated with ore bodies or hydrocarbon deposits can be made by vehicle mounted surface or airborne regional gravitational studies. Recorded geophysical survey data is processed to synchronize data collected by various sensors. Data from the various sensors is synchronized based on position coordinates corresponding to locations where the data was collected. In this manner, at one specific location on Earth, the electromagnetic reading, magnetometer reading, gravimeter reading, and altimeter reading can all be associated together so that many characteristics of the specific location can be identified.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC: G06F 19/00 (2006.01)

   USPC: 702/3,2,5
   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)
   U.S.: 702/3, 2, 5; 382/284; 342/191, 351, 357.17; 348/116

   Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
   NONE

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

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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<tr>
<td>X</td>
<td>US 4,686,474 A (OLSEN et al) 11 August 1987 (11.08.1997) see entire document.</td>
<td>1-3, 5, 6, 8,12-14, 16-18, 20-24, 26-31, 33</td>
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* Further documents are listed in the continuation of Box C. *

See patent family annex.

Date of the actual completion of the international search
04 April 2004 (04.04.2004)

Date of mailing of the international search report
04 April 2006 (04.04.2006)

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Form PCT/ISA/210 (second sheet) (April 2005)
### C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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<tr>
<th>Category</th>
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Continuation of B. FIELDS SEARCHED Item 3:
EAST; US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; EBM_TDB; (geophysical$4 and survey$4 and aircraft) and (gradiometer or magnetic$3) and (merge$4 or combine$4).