METHOD AND APPARATUS FOR MEASURING THE VERTICAL SEPARATION OF TWO STATIONS IN A BOREHOLE

Abstract: Exploration for underground resources such as hydrocarbons includes the evaluation of reservoirs to determine the presence and/or movement of fluids such as oil, gas, and water. One method for such an evaluation involves the use of measurements obtained using a downhole tool. For example, gravity measurements may be used to map out the vertical distribution of oil and gas in a borehole by enabling the calculation of the bulk density of an area adjacent to the downhole tool based on relatively minute gravity changes between different positions of the borehole.
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A. CLASSIFICATION OF SUBJECT MATTER

E21B 47/00(2006.01)i, E21B 49/08(2006.01)i, GOI/V 9/00(2006.01)i, GO1V 9/00(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)
E21B 47/00; G01V 7/02; E21B 44/00; G01N 29/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords: densitometer, density, acoustic

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<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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Date of the actual completion of the international search
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26 JULY 2011 (26.07.2011)

Name and mailing address of the ISA/KR
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