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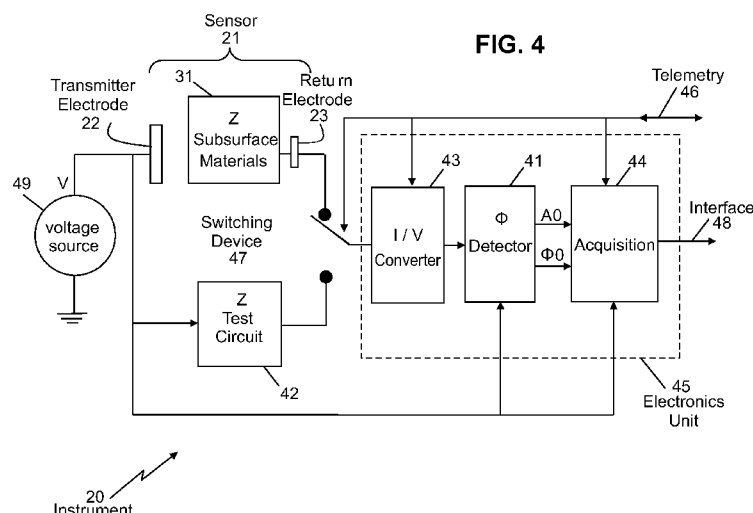
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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: WELLBORE LOGGING PERFORMANCE VERIFICATION METHOD AND APPARATUS



(57) Abstract: A method for correcting a measurement of a property of a subsurface material includes: selecting an instrument that includes a test circuit and a separate sensor, the test circuit configured for providing a standard for referencing to generate correction information, the sensor configured for: transmitting an electric signal into the subsurface material; and receiving a data signal from the subsurface material; wherein the test circuit and the sensor are switchably coupled to an electronics unit of the instrument; receiving the electric signal from the test circuit in the electronics unit; using the electronics unit, measuring at least one output characteristic of the instrument; and applying the correction information to the data signal according to the measured output characteristic.

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- *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))*

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/041665**A. CLASSIFICATION OF SUBJECT MATTER****G01V 3/20(2006.01)i, G01V 3/38(2006.01)i, G01V 3/34(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 3/20; G01V 3/28; G01R 25/00; G01V 3/18; G01V 3/08; G01V 1/40

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: wellbore, sensor, measurement, correct

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009-0143989 A1 (STANISLAV WILHELM FORGANG et al.) 04 June 2009 See paragraphs 20, 31 and claims 1-20.	1-20
X	US 4720681 A (PAUL L. SINCLAIR) 19 January 1988 See column 3, line 50 - column 7, line 5; column 10, line 10 - column 14, line 10; column 19, line 14 - column 24, line 32 and figures 1, 2.	1-20
A	US 2006-0106541 A1 (GAMAL HASSAN et al.) 18 May 2006 See abstract and figures 2, 3B.	1-20
A	US 2005-0088180 A1 (WILLIAM D. FLANAGAN) 28 April 2005 See abstract and figure 15.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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