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[Continued on next page]

(54) Title: VERIFICATION OF SWELLING IN A WELL

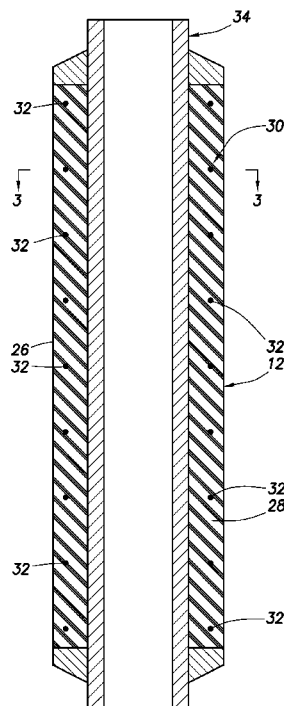


FIG.2

(57) Abstract: A method of verifying swelling of a swellable material in a well can include connecting a transmitter to a sensor which senses a parameter indicative of degree of swelling of the swellable material, and conveying a receiver into an interior of a tubular string. The transmitter transmits to the receiver an indication of the degree of swelling of the swellable material. A packer swelling verification system can include a swellable material which swells in a well, and a well tool which is conveyed to the packer in the well. The well tool receives an indication of a degree of swelling of the swellable material. A method of verifying whether a swellable material has swollen in a well can include positioning a conductor proximate the swellable material, whereby the conductor parts in response to swelling of the swellable material, and detecting whether the conductor has parted.



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A. CLASSIFICATION OF SUBJECT MATTER***E21B 47/04(2006.01)i, E21B 33/12(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 47/04; E21B 47/00; C08L 11/00; E21B 33/12; E21B 23/00; E21B 23/01

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: downhole, packer, swellable material, transmitter, receiver, conductor, sensor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010-0212891 A1 (STEWART, BENJAMIN B. et al.) 26 August 2010	8-12, 15-20
Y	See paragraphs 0073 - 0079 and figures 6, 7.	1-7, 13, 14
Y	US 2010-0101786 A1 (LOVELL, JOHN R. et al.) 29 April 2010 See paragraphs 0025, 0026 and figure 3.	1-7, 13, 14
A	US 2009-0139710 A1 (ROBISSON, AGATHE et al.) 04 June 2009 See paragraphs 0052, 0069, 0070 and figures 3A, 3B.	1-20
A	US 2007-0151724 A1 (OHMER, HERVE et al.) 05 July 2007 See paragraph 0029 and figures 6, 7.	1-20



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See patent family annex.

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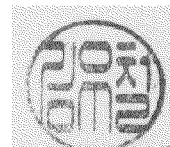
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INTERNATIONAL SEARCH REPORT

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