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(54) Title: PARTICULATE BRIDGING AGENTS USED FOR FORMING AND BREAKING FILTERCAKES ON WELL-BORES

(57) Abstract: A method of preventing fluid loss to a wellbore that includes pumping a wellbore fluid into the wellbore through a subterranean formation, the wellbore fluid comprising: a base fluid; and a plurality of particulate bridging agents comprising a solid breaking agent encapsulated by one of an inorganic solid material and an oil-soluble resin; and allowing some filtration of the wellbore fluid into the subterranean formation to produce a filter cake comprising the particulate bridging agents is disclosed.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/064080**A. CLASSIFICATION OF SUBJECT MATTER*****E21B 33/138(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 33/138; C09K 8/00; C09K 8/02; E21B 37/06; E21B 43/16

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

(Chinese Patents and application for patent)

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

eKOMPASS(KIPO internal) & Keywords: filtercake, capsule, bridging agent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007-0204997 A1 (RALPH HARRIS et al.) 06 September 2007 See the whole document.	1-22
A	US 2005-0126785 A1 (BRADLEY TODD) 16 June 2005 See the whole document.	1-22
A	US 2006-0105917 A1 (Trinidad Munoz JR.) 18 May 2006 See the whole document.	1-22

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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