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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(U))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Ui))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
12 September 2008

(54) Title: AQUEOUS FLUID AND METHOD OF MAKING AND USING THE SAME

(57) Abstract: Aqueous fluids comprising polysaccharide, dissolved salt, and borate anions. The fluids are useful, for example, as a drilling fluid.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/088511

A. CLASSIFICATION OF SUBJECT MATTER C09K 8/08(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) IPC 8 C09K, E21B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKIPASS(KIPO internal), Espacenet				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No		
X ----- Y	US 6,214,773 B1 (HARRIS, P C et al) 10 APR 2001 See abstract, column 1, line 5-column 5, line 6, claims 1-6	1-3, 12, 13, 18 ----- 7-9, 14, 19-21		
X ----- Y	US 2006/0205605 A1 (DESSINGES, M N et al) 14 SEP 2006 See abstract, paragraphs [14]-[22], [31], [33], claims 1-4	1-3, 12, 13, 18 ----- 7-9, 14, 19-21		
X ----- Y	US 5,658,861 A (KELSON, E B et al) 19 AUG 1997 See abstract, column 1, line 14-column 3, line 59, claims 1-9, 36-46	1-3, 12, 13, 18 ----- 7-9, 14, 19-21		
Y ----- A	US 6,906,009 B2 (SHINBACH, M P et al) 14 JUN 2005 See abstract, column 5, line 63-column 6, line 19, claims 1-2	7-9, 14, 19-21 ----- 1-3, 12, 13, 18		
☐ Further documents are listed in the continuation of Box C ☒ See patent family annex				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; border: none;"> * Special categories of cited documents "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; vertical-align: top; border: none;"> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "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 </td> </tr> </table>			* Special categories of cited documents "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "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
* Special categories of cited documents "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "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 22 JULY 2008 (22 07 2008)		Date of mailing of the international search report 22 JULY 2008 (22.07.2008)		
Name and mailing address of the ISA/KR  Korean Intellectual Property Office Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No 82-42-472-7140		Authorized officer LYU Eun Kyoung Telephone No 82-42-48 1-8399 		

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/088511

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons

- 1 ☐ Claims Nos
because they relate to subject matter not required to be searched by this Authority, namely

- 2 ☐ Claims Nos
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically

- 3 ☒ Claims Nos 4-6, 10, 11, 15-17
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6 4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows

- 1 ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims

- 2 ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee

- 3 ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos

- 4 ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims, it is covered by claims Nos

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation
- ☐ No protest accompanied the payment of additional search fees

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No
PCT/US2007/088511

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6214773 B1	10.04.2001	None	
US 20060205605 A 1	14.09.2006	AR 054013 A 1 CA 2599526 AA EP 1859004 A 1 US 2006-205605 AA WO 2006-095291 A 1 WO 2006-095291 B 1	30.05.2007 14.09.2006 28.11.2007 14.09.2006 14.09.2006 11.01.2007
US 5658861 A	19.08.1997	None	
US 6906009 B2	14.06.2005	AT 325854 E AU 2003-245385 A 1 BR 200313391 A CA 2495841 AA CN 1329472 C CN 1688669 A DE 60305190 C0 DE 60305190 T2 EP 1534798 A 1 EP 1534798 B 1 PA 05001627 A NO 20051300 A US 2004-033905 A 1 US 2005-124499 A 1 WO 2004-016707 A 1	15.06.2006 03.03.2004 21.06.2005 26.02.2004 01.08.2007 26.10.2005 14.06.2006 16.11.2006 01.06.2005 10.05.2006 25.04.2005 14.03.2005 19.02.2004 09.06.2005 26.02.2004