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[Continued on next page]

(54) Title: CLAY INHIBITORS FOR DRILLING, FRACTURING, AND OTHER PROCEDURES

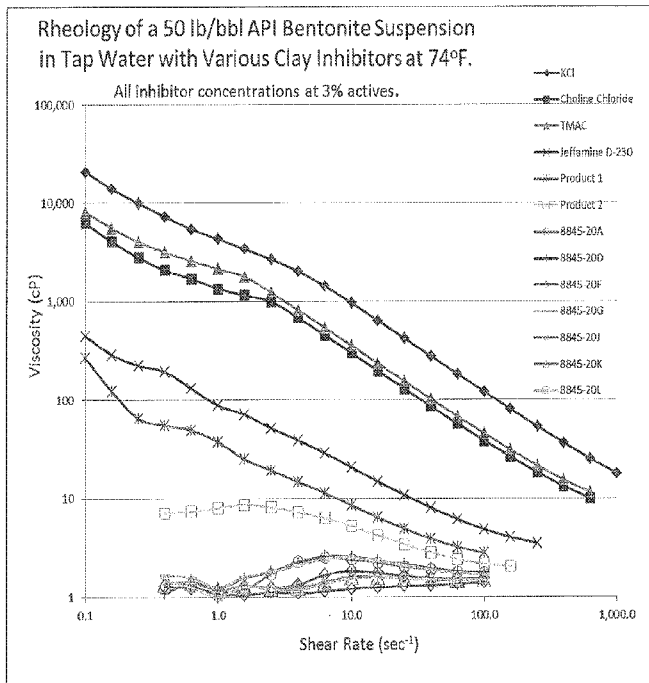


Figure 1

(57) Abstract: Reaction products produced by reacting a maleated tall oil fatty acid and/or a maleated soy oil fatty acid with an ethylene amine material are used as clay inhibitors in drilling fluids and in hydraulic fracturing fluids for drilling wells and for fracturing subterranean formations, and are also used as clay inhibitors in other treatment fluids for treating wells or subterranean formations.

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A. CLASSIFICATION OF SUBJECT MATTER  
INV. C09K8/035 C09K8/68  
ADD.  
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)  
C09K

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)  
EPO-Internal, COMPENDEX, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/167333 A1 (HURD PHILLIP W [US] ET AL HURD PHILLIP WAYNE [US] ET AL) 19 July 2007 (2007-07-19) page 1 - page 6; claims; examples	1-16
X	WO 2009/097562 A1 (GEORGIA PACIFIC CHEMICALS LLC [US]; HURD PHILLIP W [US]; JOHNSON ROGER) 6 August 2009 (2009-08-06) page 1 - pages 3,9 pages 25,47 - page 48; examples	1-16
A	US 2008/179570 A1 (HURD PHILLIP W [US] ET AL) 31 July 2008 (2008-07-31) the whole document	1-16
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Date of the actual completion of the international search <b>22 January 2015</b>	Date of mailing of the international search report <b>02/02/2015</b>
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer <b>Doslik, Natasa</b>
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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2014/038727

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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