

(12) UK Patent Application (19) GB (11) 2541125 (13) A

(43) Date of Reproduction by UK Office 08.02.2017

(21) Application No: 1613774.7

(22) Date of Filing: 01.04.2014

Date Lodged: 10.08.2016

(86) International Application Data:
PCT/US2014/032538 En 01.04.2014

(87) International Publication Data:
WO2015/152900 En 08.10.2015

(51) INT CL:
C09K 8/32 (2006.01) C09K 8/035 (2006.01)
C09K 8/36 (2006.01)

(56) Documents Cited:
US 8220546 B2 US 5942468 A
US 5072794 A US 20100311619 A1
US 20100204066 A1

(58) Field of Search:
INT CL C09K, E21B
Other: eKOMPASS (KIPO internal)

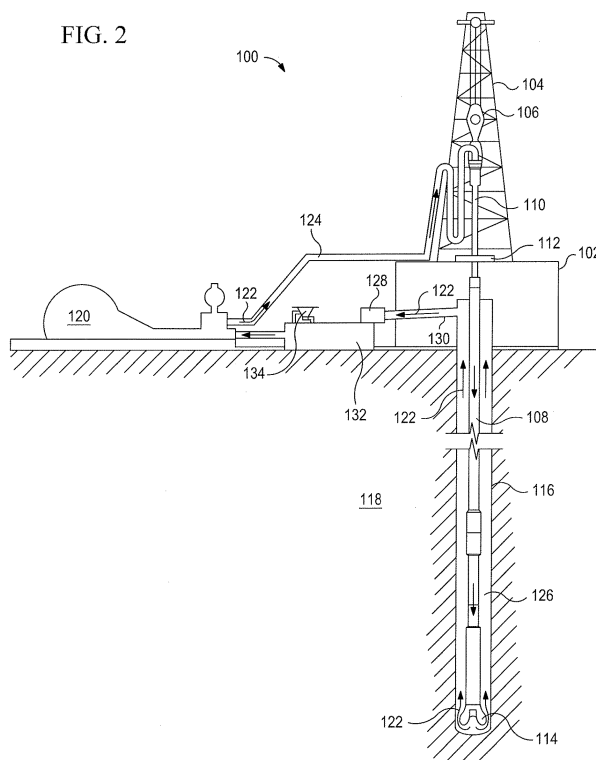
(71) Applicant(s):
Halliburton Energy Services, Inc.
10200 Bellaire Boulevard, Houston, TX 77072,
United States of America

(72) Inventor(s):
Cato Russell McDaniel
William Walter Shumway

(74) Agent and/or Address for Service:
A.A. Thornton & CO.
10 Old Bailey, London, EC4M 7NG, United Kingdom

(54) Title of the Invention: **Organic water scavenging additives for use in drilling fluids**
Abstract Title: **Organic water scavenging additives for use in drilling fluids**

(57) Methods and compositions for scavenging water in drilling operations involving oil-based or invert emulsion-based drilling muds are provided. In one embodiment, the methods comprise: providing an oil-based or invert emulsion drilling fluid comprising an organic water scavenging additive; using the drilling fluid to drill at least a portion of a well bore penetrating at least a portion of a subterranean formation; and allowing at least a portion of the organic water scavenging additive to interact with water in at least a portion of the well bore to consume at least a portion of the water.



GB 2541125 A