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Search 21: 19 and 20 (Results 33)

Title: TREATMENT FLUIDS COMPRISING VITRIFIED SHALE AND METHODS OF USING SUCH FLUIDS IN SUBTERRANEAN FORMATIONS

Abstract: Methods and compositions for the treatment of subterranean formations, and more specifically, treatment fluids containing vitrified shale and methods of using these treatment fluids in subterranean formations, are provided. An example of a method is a method of displacing a fluid in a well bore. Another example of a method is a method of separating fluids in a well bore in a subterranean formation. An example of a composition is a spacer fluid comprising vitrified shale and a base fluid.

Classifications:

International (IPC 8-9): C04B28/18 C09J1/00 C09K8/40 C09K8/42 C09K8/50 C09K8/52 C09K8/584 E21B23/00 E21B33/13

E21B37/06 (Advanced/Invention);
C09J1/00 C09K8/00 C09K8/42 C09K8/52 C09K8/58 E21B23/00 E21B33/13 (Core/Invention)

CPC: C09K8/501 C04B28/182 C04B28/18 E21B33/13 C09K8/52 C09K8/424 C09K8/40

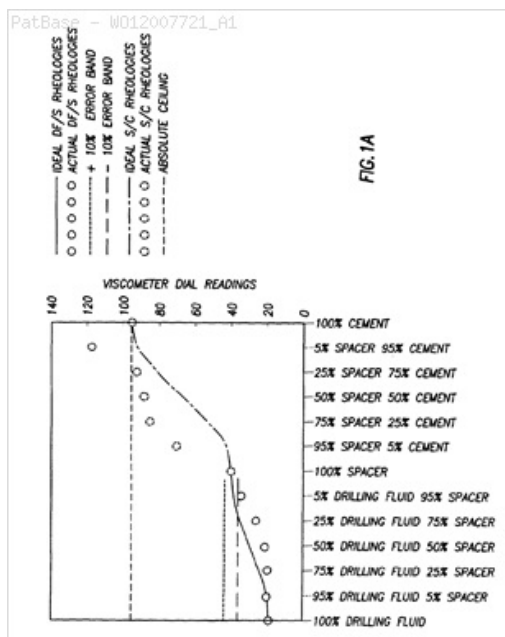
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US: 106/672 106/672S 166/285 166/292 166/292S 166/312 166/381

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507/203 507/203S 507/207 507/216 507/235 507/236 507/244

507/259 507/260 507/269 507/269P 507/269S

**Family:**

Publication number	Publication date	Application number	Application date
AU2013323366 AA	20140403	AU20130323366	20130927
AU2013323366 BB	20151224	AU20130323366	20130927
AU2016201875 AA	20160421	AU20160201875	20160324
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US2010044057 AA	20100225	US20090613788	20091106
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US2016369152 AA	20161222	US20160251874	20160830
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WO14052705 A1	20140403	WO2013US62096	20130927

Priority:

US20040969570	20041020	EP20050786946	20050927	WO2005GB03714	20050927
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: PROTECTED SCALE INHIBITORS AND METHODS RELATING THERETO

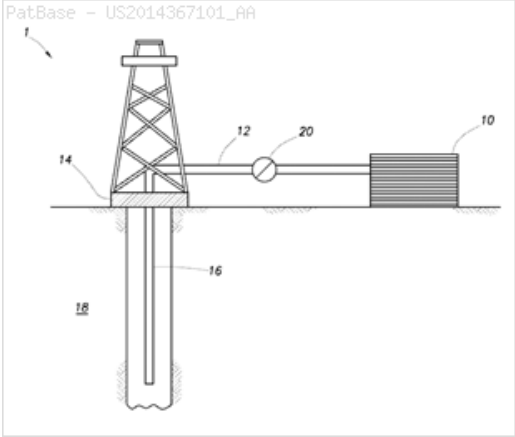
Abstract: Treatment fluids suitable for use in subterranean operations may include a base fluid; a protected scale inhibitor; and at least one selected from the group consisting of (1) a metal crosslinker and a gelling agent, (2) an amine-based resin curing agent and an epoxy-based composition, and (3) any combination thereof, wherein the protected scale inhibitor is a scale inhibitor with at least one chelating group functionalized with a protecting group.

Classifications:

International (IPC 8-9): C09K8/524 C09K8/528 C09K8/54 C09K8/64 C09K8/68 C09K8/80 C09K8/82 C09K8/88 E21B37/06 E21B41/02 E21B43/04 E21B43/267 (Advanced/Invention)

CPC: E21B43/267 C09K8/528 C09K8/64 C09K8/685 C09K8/80 C09K8/82 C09K8/887 E21B37/06 E21B43/04

US: 166/280.2 507/90



Family:

Publication number	Publication date	Application number	Application date
AU2014278620 AA	20151112	AU20140278620	20140603
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WO14200757 A1	20141218	WO2014US40651	20140603

Priority:

US20130917828 20130614 WO2014US40651 20140603

Probable Assignee: HALLIBURTON CO

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Assignee(s): WELTON THOMAS DONOVAN

Inventor(s): (std): THOMAS DONOVAN WELTON ; WELTON THOMAS DONOVAN

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; FB RICE; FB RICE PTY LTD; PARLEE MCLAWS LLP; MCDERMOTT WILL AND EMERY LLP; KAISER IONA N ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ENERGIZED FLUIDS AND METHODS OF USE THEREOF

Abstract: The present invention relates to novel aqueous wellbore treatment fluids containing a gas component, a heteropolysaccharide, an electrolyte, and a surfactant, wherein the fluids may further include an organoamino compound. The fluids exhibit good rheological properties at elevated temperatures. Methods of use of fluids comprising at least an aqueous medium, a gas component, a heteropolysaccharide and a surfactant for hydraulically fracturing, well cleanup and gravel packing operations, are also disclosed.

Classifications:

International (IPC 8-9): C09K8/00 C09K8/035 C09K8/04 C09K8/08 C09K8/20 C09K8/52 C09K8/524 C09K8/575 C09K8/588 C09K8/594 C09K8/60 C09K8/62 C09K8/68 C09K8/70 C09K8/90 C09K8/94 E21B33/10 E21B37/06 E21B43/02 E21B43/04 E21B43/22 E21B43/25 E21B43/26 E21B43/27 (Advanced/Invention); E21B43/00 (Advanced/Non-invention); C09K8/00 C09K8/02 C09K8/52 C09K8/56 C09K8/58 C09K8/60 E21B43/25 (Core/Invention); E21B43/00 (Core/Non-invention)

CPC: C09K8/52 C09K8/68 C09K8/703 C09K8/90 C09K8/94 C09K8/602 C09K8/74 C09K8/845 C09K8/86 C09K8/887 C09K8/905 C09K2208/26 C09K8/665 C09K8/685 C09K8/80 C09K2208/30 C09K2208/08 C09K8/528

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US: 166/244.1 166/278 166/305.1 166/308.1 166/308.2 166/308.6 166/309 166/311 507/110 507/202 507/202S 507/209 507/211 507/211P 507/211S 507/212 507/213 507/214 507/235 507/239 507/240 507/241 507/244 507/245 507/246 507/248 507/249 507/252 507/253 507/260 507/261 507/265 507/266 507/267 507/268 507/271 507/273 507/276 507/90 507/90P

PatBase - US2006166836_AA

Patent Application Publication: Jan. 27, 2006 Sheet 1 of 3 1/5 2006/0166836 A1

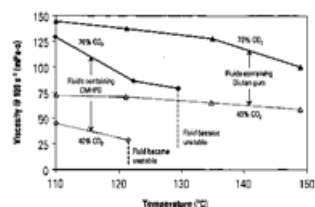


FIG. 1a

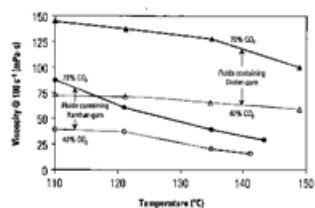


FIG. 1b

FIG. 1

Family:

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Priority:

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Probable Assignee: SCHLUMBERGER TECHNOLOGY CORP

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TEMARA ; GURMEN M N ; HOWARD PAUL R ; LI LEIMING ; BUSTOS OSCAR ; HANZIK CODY ; SALAMAT GOLCHEHREH ; SCHLUMBERGER CA LTD ; SCHLUMBERGER SERVICES PETROL ; SCHLUMBERGER HOLDINGS ; SCHLUMBERGER TECHNOLOGY BV ; PRAD RES AND DEV LTD ; SCHLUMBERGER TECHNOLOGY CORP ; PRAD RES AND DEV NV ; SHAPOVALOV ALEXANDER D

Assignee(s): SERVICES PETROLIERS SCHLUMBERGER was SOCIETE DE PROSPECTION ELECTRIQUE SCHLUMBERGER.. ; SHLJUMBERGER TEKNOLODZHI BV ; PRAD RESEARCH AND DEVELOPMENT LTD ; SERVICES PETROLIERS SCHLUMBERGER WAS PR SOC D ; SERVICES PETROLIERS SCHLUMBERGER WAS SOC ; PRAD RESEARCH AND DEVELOPMENT NV ; PRAD RESEARCH AND DEVELOPMENT N V ; SCHLUMBERGER CANADA LTD ; SERVICES PETROLIERS SCHLUMBERGER ; SCHLUMBERGER HOLDINGS LTD

Inventor(s): (std): PEET TEMARA ; GURMEN M N ; HOWARD PAUL R ; ABAD CARLOS ; AHRENST ALEX ; SHAPOVALOV ALEXANDER D ; BONEY CURTIS L ; ALI SYED ; LI LEIMING ; BUSTOS OSCAR ; HANZIK CODY ; PENA ALEJANDRO ; SALAMAT GOLCHEHREH ; LIN LIJUN ; GOLCHEHREH SALAMAT ; ALEJANDRO PENA ; KHEHNZIK KOUDI ; BUSTOS OSKAR ; BONI KERTIS L ; ALI SAID ; LIN LITSZJUN ; LI LEHJMIN

Inventor(s): LIN LIJUN STAFFORD ; SALAMAT GOLCHEHREH SUGAR LAND ; SHAPOVALOV ALEXANDER ; GURMEN M ; HOWARD PAUL ; GURMEN M NIHAT ; LIJUN LIN ; CODY HANZIK ; LEIMING LI ; OSCAR BUSTOS ; CURTIS L BONEY ; SYED ALI

Agent(s): GRIFFITH HACK; SMART AND BIGGAR; SPARING ROEHL HENSELER; FORTT SIMON MERTON; SULEIMAN I AL AMMAR LAW OFFICE; SCHLUMBERGER TECHNOLOGY CORP; SCHLUMBERGER TECHNOLOGY DAVID CATE CORP; CATE DAVID; FONSECA DORLA; NAVA ROBIN; DORLA; ROBIN; DAVID; FONSECA DARLA; DARLA; RACHEL; JEREMY D; DARYL R

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SCALE-INHIBITING COCRYSTALS FOR TREATMENT OF A SUBTERRANEAN FORMATION

Abstract: The present invention relates to cocrystals including a scale-inhibiting compound, and methods of using the cocrystals for treating a subterranean formation. In various embodiments, the present invention provides a method of treating a subterranean formation including obtaining or providing a composition including cocrystals. Each cocrystal independently includes a scale-inhibiting compound and a secondary material. The method also includes placing the composition in a subterranean formation.

Classifications:

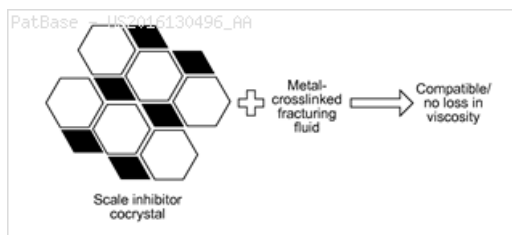
International (IPC 8-9): C09K8/035 C09K8/52 C09K8/528 C09K8/80 E21B37/06 E21B43/27 (Advanced/Invention)

CPC: C09K8/03 C09K8/524 C09K8/62 C09K8/685 C09K8/72

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C09K8/467 C09K8/528 C09K8/805 E21B37/06 Y02W30/92

US: 166/90.1 507/219 507/221 507/224 507/226 507/231 507/237 507/267 507/269 507/274

**Family:**

Publication number	Publication date	Application number	Application date
BR112016001189 A2	20170725	BR20161101189	20130904
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WO15034478 A1	20150312	WO2013US57975	20130904

Priority:

US20130897431 20130904 WO2013US57975 20130904

Probable Assignee: HALLIBURTON CO

Assignee(s): (std): HALLIBURTON CO ; HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): SCHULTHEISS NATHAN CARL ; HOLTSCRAW JEREMY A ; HOLTSCRAW JEREMY

Inventor(s): JEREMY HOLTSCRAW ; NATHAN CARL SCHULTHEISS

Agent(s): MADDEN ROBERT B REG NO 57

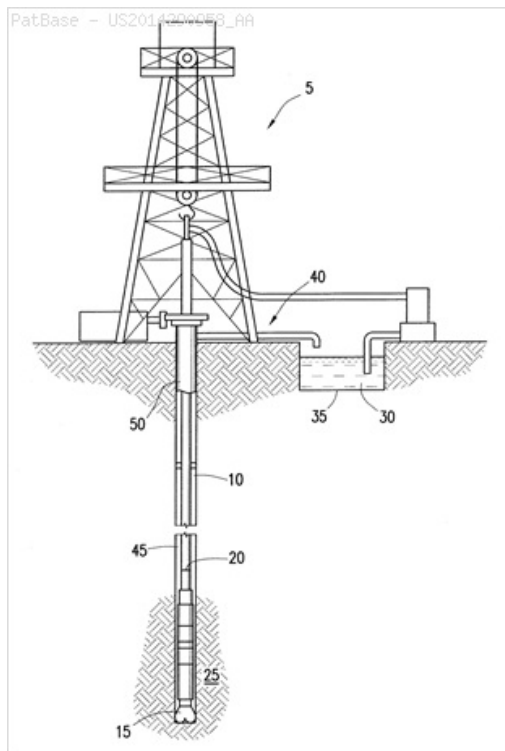
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Title: METHODS OF MITIGATING BITUMINOUS MATERIAL ADHESION USING NANO-PARTICLES

Abstract: Embodiments relate to solid nano-particles applied to the surface of well equipment to treat bituminous material adhesion. An embodiment provides a method of treating the surface of well equipment. The method may comprise applying a solid nanoparticle film to the surface of the well equipment with a treatment fluid comprising solid nanoparticles. The method may further comprise allowing the solid nanoparticles to interact with the surface of the well equipment and/or bituminous materials adhered to the surface of the well equipment to **remove** at least a portion of the bituminous materials from the surface of the well equipment.

Classifications:

International (IPC 8-9): B08B1/02 B08B7/00 C09K8/02 C09K8/03 C09K8/52 C09K8/524 C09K8/536 C23C28/04 E21B1/00 E21B10/00 E21B17/00 E21B37/00 E21B37/06 E21B7/00 (Advanced/Invention)
CPC: E21B7/00 E21B37/06 C09K8/536 E21B37/00 C09K8/52 C09K8/03 C09K8/524 C09K2208/10
US: 134/4 166/311 175/65



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20130851374 20130327 US20130068901 20131031 WO2014US32067 20140327
 WO2014US62599 20141028 US20180058397 20180808 US20180058336 20180808

Probable Assignee: HALLIBURTON CO

Assignee(s): (std): HALLIBURTON CO ; HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC

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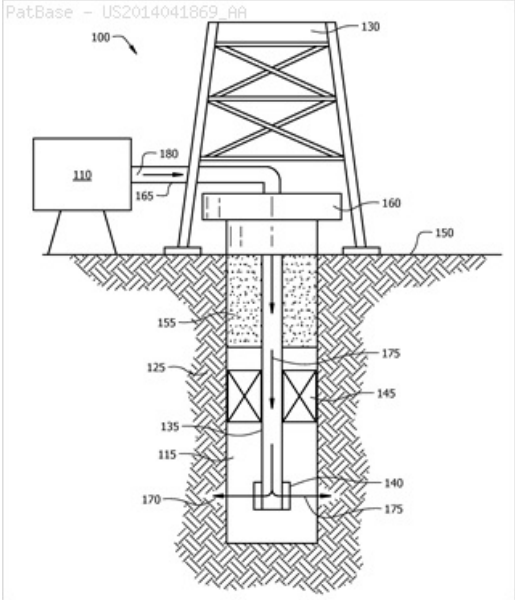
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Title: METHOD AND SYSTEM FOR SERVICING A WELLBORE

Abstract: A wellbore servicing composition comprising a base fluid, the base fluid comprising a substantially aqueous fluid, a **brine**, an emulsion, an invert emulsion, an oleaginous fluid, or combinations thereof, a quantity of template assisted crystallization beads, and a wellbore servicing fluid component, the wellbore servicing fluid component comprising a quantity of proppant, a quantity of gravel, or combinations thereof. A wellbore servicing system comprising a flowpath, the flowpath comprising at least one component of wellbore servicing equipment, and a conduit extending from the at least one component of wellbore servicing equipment to a wellbore, and a wellbore servicing fluid **disposed** within the flowpath, wherein the wellbore servicing fluid comprises a plurality of template assisted crystallization beads. A wellbore servicing method comprising forming a wellbore servicing fluid comprising a quantity of template assisted crystallization beads, and introducing the wellbore servicing fluid into a wellbore, a subterranean formation, or combinations thereof.

Classifications:

International (IPC 8-9): C09K8/508 C09K8/528 C09K8/56 C09K8/565 C09K8/575 C09K8/62 C09K8/64 C09K8/68 C09K8/80 E21B37/06 E21B41/02 E21B43/00 E21B43/04 E21B43/16 E21B43/26 E21B43/267 (Advanced/Invention)
CPC: C09K8/528 C09K8/5751 C09K8/68 E21B37/06 E21B41/02
US: 166/278 166/369 166/51 166/67 166/90.1 507/224 507/231



Family:

Publication number	Publication date	Application number	Application date
US2014041869 AA	20140213	US20120568977	20120807
US9771511 BB	20170926	US20120568977	20120807
WO14025649 A1	20140213	WO2013US53479	20130802

Priority:

US20120568977 20120807

Probable Assignee: HALLIBURTON CO

Assignee(s): (std): HALLIBURTON CO ; HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC ; NGUYEN PHILIP D ; TANG TINGJI ; WEAVER JIMMIE D

Inventor(s): (std): NGUYEN PHILIP D ; TANG TINGJI ; WEAVER JIMMIE D

Agent(s): BAKER BOTTS LLP; CRAIG W; CONLEY ROSE PC ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHODS AND COMPOSITIONS OF IMPROVING WELLBORE CLEANOUT TREATMENTS

Abstract: Methods of performing a cleanout treatment including providing a wellbore in a subterranean formation having unconsolidated particulates therein; providing a treatment fluid comprising an aqueous base fluid and a hydrophobically modified flocculating **water**-soluble polymer; introducing the treatment fluid into the wellbore in the subterranean formation; flocculating at least a portion of the unconsolidated particulates by exposure to the hydrophobically modified flocculating **water**-soluble polymer; **removing** the treatment fluid comprising the flocculated unconsolidated particulates from the wellbore in the subterranean formation.

Classifications:

International (IPC 8-9): C09K8/52 E21B21/00 E21B37/00 E21B37/06 E21B43/12 (Advanced/Invention)

CPC: C09K8/52

US: 1/1 166/312

Family:

Publication number	Publication date	Application number	Application date
BR112015024128 A2	20170718	BR20151124128	20140512
US2014338916 AA	20141120	US20130897559	20130520
US9475976 BB	20161025	US20130897559	20130520
WO14189698 A1	20141127	WO2014US37630	20140512

Priority:

US20130897559 20130520 WO2014US37630 20140512

Probable Assignee: HALLIBURTON CO

Assignee(s): (std): HALLIBURTON CO ; HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC

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Agent(s): MCDERMOTT WILL AND EMERY LLP; CRAIG; KAISER IONA N ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: COMPOSITIONS FOR CONTROLLING SCALING AND COMPLETION FLUIDS

Abstract: An aqueous-based composition containing cesium formate and at least one chelating agent is described. Methods of removing scaling deposits, which may include alkaline earth metal sulfates, present on surfaces, including porous media, such as alkaline earth metal sulfate buildup in a well bore, is also described, wherein the method includes contacting the alkaline earth metal sulfate with the compositions of the present invention to remove the scaling deposits. A completion fluid containing at least one alkali metal formate, at least one acid and/or at least one chelating agent, and optionally at least one surfactant or mutual solvent is also described. Methods of removing a filter cake from a well bore surface, which may include weighting agents such as calcium carbonate, is also described, wherein the method includes contacting the filter cake with the completion fluid of the present invention.

Classifications:

International (IPC 8-9): C09K8/06 C09K8/504 C09K8/52 C09K8/528 C23F15/00 E21B37/06 (Advanced/Invention)

International (IPC 1-7): C02F1/68 C09K7/00 C09K7/02 E21B37/06

CPC: Y10S507/925 Y10S507/927 C09K8/06 C09K8/528

European: C09K8/06 C09K8/528

US: 166/312 210/749 507/203 507/219 507/224 507/241 507/254 507/260 507/261 507/267 507/277 507/925 507/927

Family:

Publication number	Publication date	Application number	Application date
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BRPI0112512 B1	20140225	BR2001PI12512	20010710
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NO20030159 A0	20030113	NO20030000159	20030113
NO336123 B1	20150518	NO20030000159	20030113
PL366217 A1	20050124	PL20010366217	20010710
US2002117457 AA	20020829	US20010900533	20010706
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WO0206422 A2	20020124	WO2001US21619	20010710
WO0206422 A3	20020523	WO2001US21619	20010710

Priority:

US20000218382P 20000714 US20000229691P 20000901 US20000252200P 20001121
US20010900533 20010706 EP20010952551 20010710 WO2001US21619 20010710

Probable Assignee: CABOT CORP

Assignee(s): (std): CABOT CORP ; CABOT SPECIALTY FLUIDS ; CABOT SPECIALTY FLUIDS INC

Assignee(s): CABOT SPECIALTY FLUIDS INC WOODLANDS ; HALLIBURTON ENERGY SERVICES INC ; MAGRI NEAL F ; PELLETIER MICHAEL T ; VON KROSIGK JAMES R ; VONKROSIGK JAMES R ; BENTON WILLIAM J

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Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; OGILVY RENAULT LLP SENCRL SRL; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: METHODS AND APPARATUS FOR **REMOVAL** AND CONTROL OF MATERIAL IN LASER DRILLING OF A BOREHOLE

Abstract: There is provided a system, apparatus and methods for **removal** of material for the path of a laser beam during laser drilling of a borehole and for **removal** of displaced borehole material from the borehole during laser drilling. In particular, there are provided paths, dynamics and parameters of fluid flows, and apparatus for obtaining such, for use in conjunction with a laser bottom hole assembly.

Classifications:

International (IPC 8-9): A61K48/00 B01J19/12 B08B7/00 B08B9/02 B08B9/023 B08B9/027 B08B9/055 B23K26/00 B23K26/04 B23K26/046 B23K26/06 B23K26/064 B23K26/073 B23K26/08 B23K26/10 B23K26/12 B23K26/122 B23K26/14 B23K26/16 B23K26/24 B23K26/352 B23K26/36 B23K26/38 B23K26/382 B23K26/40 B23K26/402 B23K26/70 B23P11/00 B63B17/00 B63B35/28 B63C11/40 B63C11/44 B63C11/48 B63G8/00 B63G8/08 B65H55/00 B65H59/00 E01C23/08 E01C23/12 E02B17/00 E02D17/00 E21B10/00 E21B10/50 E21B10/54 E21B10/60 E21B17/00 E21B17/20 E21B19/00 E21B19/22 E21B21/00 E21B21/08 E21B21/10 E21B21/14 E21B21/16 E21B23/00 E21B23/14 E21B29/00 E21B29/02 E21B29/06 E21B29/08 E21B29/12 E21B33/00 E21B33/06 E21B33/064 E21B33/12 E21B33/13 E21B34/04 E21B37/00 E21B4/02 E21B4/04 E21B41/00 E21B41/04 E21B43/00 E21B43/11 E21B43/114 E21B43/116 E21B43/119 E21B43/24 E21B43/26 E21B43/267 E21B44/00 E21B47/00 E21B47/113 E21B47/12 E21B49/00 E21B7/00 E21B7/12 E21B7/14 E21B7/15 E21B7/16 E21C35/00 E21C37/16 E21C37/18 E21C41/00 E21D9/10 E21D9/10 F21V15/01 F21V15/06 F21V29/00 F21V8/00 G01J1/04 G01M11/00 G01M5/00 G02B6/08 G02B6/27/14 G02B27/20 G02B6/02 G02B6/26 G02B6/28 G02B6/32 G02B6/36 G02B6/38 G02B6/44 G02B6/46 H01J27/24 H01J40/14 H01L21/00 H01L31/00 H01L31/02 H01L31/0224 H01L31/0304 H01L31/05 H01L31/054 H01L31/055 H01S3/00 H01S3/04 H01S3/042 H01S3/067 H01S3/08 H01S3/094 H01S3/0941 H01S3/109 H01S3/16 H01S3/23 H01S3/30 H01S5/00 H01S5/022 H01S5/024 H01S5/042 H01S5/40 H02G1/08 H04B10/079 H04B10/80 H05K7/20 (Advanced/Invention); B08B7/00 B23K103/00 B63B19/00 B63B21/00 B63B35/00 E02B17/00 E21B15/00 E21B23/00 E21B43/00 E21B43/116 E21B43/16 E21B49/00 E21B7/04 E21B7/15 G02B6/32 G02B6/36 G02B6/38 G02B6/42 G02B6/50 H01S3/094 (Advanced/Non-invention); B65H55/00 E21B17/00 E21B7/00 E21B7/14 G02B6/44 (Core/Invention)

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European: B08B7/00S2 B23K26/00M B23K26/06C B23K26/06C3 B23K26/06C5 B23K26/10 B23K26/10R1 B23K26/12B B23K26/12F B23K26/14D B23K26/14N1 B23K26/38 B23K26/40B7 B63G8/00B E21B10/60 E21B17/20B E21B21/08 E21B21/12 E21B21/16 E21B4/18 E21B7/14 E21B7/15 G02B6/44C1 G02B6/44C6 G02B6/44C7A H04B10/807 L23K203/10 S02B6/42H S02B6/44C10 S02B6/44C5B S02B6/44C6 S02B6/44C7A S02B6/44C7F

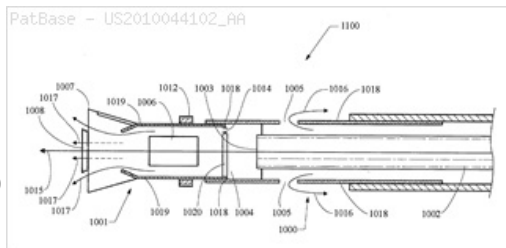
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JP F-Term: 2D129 2D129/AA04 2D129/AA08 2D129/AA09 2D129/AA10 2D129/AB01 2D129/AB02 2D129/AB25 2D129/BA03 2D129/BB20 2D129/DA17 2D129/DA18 2D129/DC05 2D129/DC23 2D129/DC24 2D129/EB34 2D129/FA01 2D129/GA19 2D129/GB02 2D129/GB09 2D129/HB02 2D129/HB05 2D129/HB12 4E068 4E068/AF00 4E068/CA02 4E068/CE03 4E068/CE08 4E068/CG01 4E068/DA01 4E068/DB11 4E168 4E168/AD11 4E168/CA06 4E168/CB04 4E168/DA02 4E168/DA23 4E168/DA24 4E168/DA26 4E168/DA28 4E168/DA32 4E168/DA35 4E168/DA37 4E168/DA40 4E168/DA42 4E168/DA43 4E168/EA05 4E168/EA11 4E168/EA13 4E168/EA17 4E168/FC05 2H150 2H150/AB05 2H150/AB10 2H150/AD25 2H150/AD26 2H150/AD27 2H150/AE11 2H150/AE12 2H150/AE13 2H150/AE14 2H150/AE15 2H150/AE16 2H150/AE17 2H150/AH18 2H150/AH42 2H150/AH50 2H150/BB07 2H150/BB26 2H150/BC04 2H150/BD03 2H150/BD16 2H150/BD18 2D129/AA00 2D129/AB26 2D129/BA28 2D129/CB18 2D129/EB04

JP F-Index: B23K26/00/N B23K26/064/K B23K26/08/B B23K26/08/K B23K26/082 B23K26/14/Z B23K26/38/330 B23K26/382 B23K26/40 E21B10/50 E21B10/54 E21B15/00 E21B21/00/Z E21B21/14 E21B21/16 E21B23/00 E21B23/14 E21B4/02/Z E21B43/00/A E21B43/00/B E21B43/00/C E21B43/116 E21B49/00 E21B7/00/Z E21B7/04/A E21B7/15 G02B6/02/B G02B6/44/331 G02B6/44/336

Family:

Publication number	Publication date	Application number	Application date
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AU2012259435 AA	20121129	AU20120259435	20120224
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Priority:

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Inventor(s): KOLACHALAM SHARARTH K ; KOLACHALAM SHARATH K ; LAND MARK S ; LEHND MARK S ; MARK S LAND ; MARK S ZEDIKER ; MCKAY RYAN P ; MARSHALL SCOTT A ; LINYAEV EUGENE J ; LINYAEV EUGENCE J ; LEE IAN ; KUZNETSOV ANDREY ; CHARLES C RINZLER ; JONES ALBERTUS REBECCA ; HAVLINEK KENNETH L ; DEWITT RONALD A ; DEUTCH PAUL D ; VOLKMAR JOHN F ; MAKKI SIAMAK ; FAIRCLOTH BRIAN ; ELY JOHN ; GRAY WILLIAM C
Agent(s): FAIRCLOTH BRIAN O EVERGREEN ; ERIK C ALLEN ; GRUBB DARYL L HOUSTON ; CHARLES CRINZLER ; KOLACHALAM SHARATH K SUGAR LAND ; MARK SZEDIKER ; ZEDIKER MARK S CASTLE ROCK ; JOEL FMOXLEY ; DEUTSCH PAUL D ; BRIAN OFAIRCLOTH
Designated states: SPRUSON AND FERGUSON; CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC; BUNGARTZ KLAUS PETER; TERSTEEGEN FELIX; BUNGARTZ CHRISTOPHERSEN PARTNERSCHAFT MBB PATENTANWAELTE; BUNGARTZ CHRISTOPHERSEN PARTNERSCHAFT MBB PATENTANWAELTE; SABA AND CO TMP; SAUD M A SHAWWAF LAW OFFICE; ITOH SHIGERU; BRINKS HOFER GILSON AND LIONE; FORO ENERGY/BHGL; FORO ENERGY BHGL; GLEN; GLEN P; STEPTOE AND JOHNSON LLP; STEPTOE AND JOHNSON; BRIAN; STEPTOE AND JOHNSON LLC; BELVIS LAW LLC; BELVIS GLEN P; FREEMAN JOHN C; BELVIS GLEN P ET AL

AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: PHOSPHINATE-CONTAINING POLYMERS FOR CONTROLLING SCALE IN UNDERGROUND PETROLEUM-CONTAINING FORMATIONS AND EQUIPMENT ASSOCIATED THEREWITH

Abstract: A method of preventing scale from depositing in underground petroleum-containing formations and upon equipment used to inject into or **remove** from such formations high **brine**, scale-forming **waters**. This method comprises treating such **waters** with a scale-inhibiting amount of an acrylic acid or **acrylamide** homopolymer or co-polymer of acrylic acid with **acrylamide** having a molecular weight within the range of 1,000-50,000 which have been modified to contain up to about 30 mole percent of amido(C2-C6 alkyl)phosphinic acid groups and the alkali metal, ammonium and amine salts thereof.

Classifications:

International (IPC 8-9): C02F5/00 C02F5/08 C02F5/10 C02F5/14 C08F20/06 C08F20/52 C08F20/56 C08F220/04

C09K8/528 (Advanced/Invention);

C02F5/00 C02F5/08 C02F5/10 C08F20/00 C08F220/00 C09K8/52 (Core/Invention)

International (IPC 1-7): C02F5/00 C02F5/08 C02F5/14 C08F20/06 C08F20/56 C23F15/00 E21B37/02 E21B37/06 E21B43/00 E21B43/22 E21B43/25

CPC: Y10S166/902 Y10S507/927 C09K8/528 C02F5/14

European: C02F5/14 C09K8/528

US: 166/310 166/902 210/700 210/747 210/747.1 252/180 252/8.552 252/82 507/225 507/927 510/247 510/253 510/469 510/475

JP F-Term: 4D045 4D045/CA12 4D045/CA13 4D045/CA14 4D045/DA01 4D045/DA02 4J023 4J023/AA03 4J023/AA13 4J023/AA23 4J023/CA23 4J023/DA03 4J023/DA13 4J023/DA23 4J023/EA01 4J023/FA04 4J023/FA09 4J023/FA23 4J023/GA01 4J023/HA30 4J100 4J100/AJ02/P 4J100/AM15/P 4J100/AM15/Q 4J100/BA03/H 4J100/BA34/H 4J100/BA66/H 4J100/CA01 4J100/CA04 4J100/CA31 4J100/DA01 4J100/HA61 4J100/HC75 4J100/JA15

JP F-Index: C02F5/00 C02F5/00/620 C02F5/00/620/A C02F5/00/620/B C02F5/08 C02F5/08/A C02F5/10 C02F5/10/620 C02F5/10/620/A C02F5/10/620/B C02F5/10/620/C C08F20/06 C08F20/52 C08F20/56 C08F220/04

JP Facet: MLR MNC

Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19910772174 19911007

Probable Assignee: ECOLAB USA INC

Assignee(s): (std): NALCO CHEMICAL CO

Assignee(s): NALCO ENERGY SERVICES LP ; NALCO CO ; NALCO CHEMICAL COMPANY ; NALCO CHEM CO ; ECOLAB USA INC ; NALCO CO LLC ; NALCO EXXON ENERGY CHEMICALS LP ; ONDEO NALCO ENERGY SERVICES LP ; BANK OF AMERICA NA ; BANK OF AMERICA NA COLLATERAL AGENT AS ; CITICORP NORTH AMERICA INC ; CITICORP NORTH AMERICA INC ADMINISTRATIVE AGENT AS

Inventor(s): (std): DOTSUDO DABURIYU FUONGU ; EMMONS DANIEL H ; FONG DODD W ; KINSELLA MARY A ; MEARI EI KINSERA ; DANIERU EICHI EMONZU

Inventor(s): DODD W FONG ; DANIEL H EMMONS ; MARY A KINSELLA

Title: DRILLING FLUID COMPOSITION INCLUDING VISCOSIFIER AND METHOD OF USING THE SAME

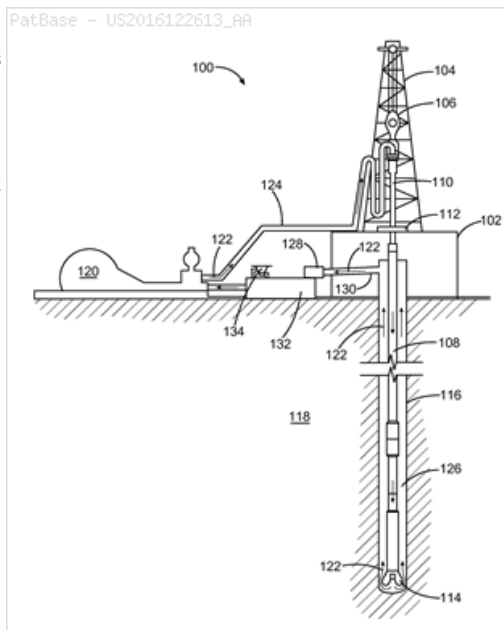
Abstract: The present invention relates to drilling fluid compositions and methods of using the same. In various embodiments, the present invention provides a method of treating a subterranean formation including obtaining or providing a drilling fluid composition including a viscosifier including at least one of a poly(vinyl alcohol) copolymer, a crosslinked poly(vinyl alcohol), and a crosslinked poly(vinyl alcohol) copolymer. The method also includes placing the composition in a subterranean formation.

Classifications:

International (IPC 8-9): C09K8/035 C09K8/12 C09K8/24 C09K8/34 C09K8/502 C09K8/508 C09K8/512 C09K8/52 C09K8/528 C09K8/588 C09K8/68 C09K8/74 C09K8/88 E21B21/00 E21B37/06 E21B43/22 (Advanced/Invention)

CPC: C09K8/502 C09K8/5083 C09K2208/08 C09K2208/18 C09K2208/24 C09K2208/26 C09K8/528 C09K8/52 C09K8/34 E21B21/003 C09K8/035 C09K8/512 C09K8/68 C09K8/685 C09K2208/12 C09K8/24 C09K8/725 C09K8/88 C09K8/887 C09K8/12 C09K8/588

US: 166/90.1 175/65 507/124



Family:

Publication number	Publication date	Application number	Application date
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US2017218251 AA	20170803	US20170493593	20170421
WO15041679 A1	20150326	WO2013US60909	20130920

Priority:

US20130897780 20130920 WO2013US60909 20130920 US20150897780 20151211
US20170493593 20170421

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Inventor(s): HUI ZHOU ; JAY PAUL DEVILLE

Agent(s): PARLEE MCLAWS LLP; MADDEN ROBERT B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: VISCOSITY REDUCTION OF VISCOELASTIC SURFACTANT BASED FLUIDS

Abstract: Methods and compositions are disclosed for controlled addition of components that decrease the viscosity of the viscoelastic surfactant fluids or for controlled changes in the electrolyte concentration or composition of the viscoelastic surfactant fluids. One aspect of the invention relates to the use of internal breakers with a delayed activation. Another aspect of the invention relates to the use of precursors that release a breaking system such as alcohol by a process such as melting, slow dissolution, reaction with a compound present in the fluid or added to the fluid during or after the step of injecting, rupture of an encapsulating coating and de-adsorption of a breaking agent absorbed into solid particles. In another aspect of the invention, alcohols are included in a pad to reduce the low-shear viscosity and reduce the resistance to flow of the treatment fluids during a desired phase of the treatment.

Classifications:

International (IPC 8-9): B01F17/00 B01J13/00 C08J9/22 C08J9/42 C08L31/02 C08L33/04 C08L71/02 C09K8/02 C09K8/035 C09K8/04 C09K8/12 C09K8/42 C09K8/506 C09K8/52 C09K8/536 C09K8/57 C09K8/575 C09K8/58 C09K8/584 C09K8/588 C09K8/60 C09K8/62 C09K8/68 C09K8/70 C09K8/72 C09K8/74 C09K8/80 C09K8/92 C09K8/94 C11D1/10 C11D17/08 C11D3/37 E21B21/00 E21B37/02 E21B37/06 E21B43/00 E21B43/04 E21B43/22 E21B43/25 E21B43/26 E21B43/27 (Advanced/Invention); C08L31/04 C08L33/04 C08L71/02 E21B43/04 E21B43/26 E21B43/27 (Advanced/Non-invention); C08J9/00 C08L31/00 C08L33/00 C08L71/00 C09K8/56 C09K8/58 C09K8/60 C11D1/02 C11D3/37 E21B21/00 E21B43/00 E21B43/02 E21B43/16 E21B43/25 (Core/Invention); C08L31/00 C08L33/00 C08L71/00 (Core/Non-invention)

International (IPC 1-7): C09K3/00 C09K7/02 C09K7/06 E21B1/00 E21B37/06 E21B43/00 E21B43/22 E21B43/25 E21B43/26 E21B43/27

CPC: B01F17/0042 B01F17/005 B01J13/0073 C09K8/52 C09K8/703 Y10S507/921 Y10S507/922 C09K8/92 C09K8/536 C09K8/62 C09K8/72 C09K8/74 C09K2208/26 C09K8/805 C09K8/706 C09K8/5753 C09K8/602 C09K8/68 C09K8/88 C09K2208/30 E21B43/25 C09K8/60

European: B01F17/00K B01F17/00K2 B01J13/00F C09K8/52 C09K8/536 C09K8/575B2 C09K8/60G C09K8/62 C09K8/68 C09K8/70B C09K8/70E C09K8/72 C09K8/74 C09K8/80B C09K8/88 C09K8/92 M09K208/26 M09K208/30

US: 166/170 166/270.1 166/281 166/282 166/300 166/308.1 166/308.2 166/308.3 166/308.6 166/309 507/129 507/135 507/136 507/200 507/200P 507/203 507/219 507/221 507/228 507/231 507/239 507/240 507/241 507/241S 507/244 507/244P 507/245 507/245S 507/252 507/255 507/257 507/259 507/260 507/260S 507/261 507/261P 507/264 507/265 507/266 507/267 507/269 507/277 507/921 507/922 510/421 510/421S 510/490 510/499

PatBase - US2002004464_AA

Patent Application Publication Jan. 10, 2002 Sheet 1 of 10 US 2002/004464 A1

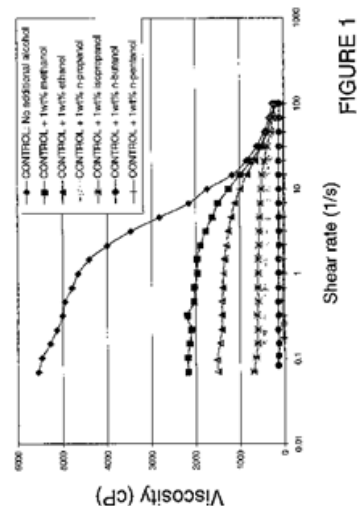


FIGURE 1

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Priority:

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Inventor(s): (std): ABAD CARLOS ; CHEN IJAN ; CHEN YIYAN ; CHING WANG LEE JESSE ; COLACO ALLWYN ; DAHANAYAKE MANILAL ; DAKHANAJAKI MANILAL ; ENGLAND KEVIN ; ENGLAND KEVIN W ; DISMUKE ERIK B NELSON BERNHARD ; DISMUKE KEITH ; FLETCHER PHILIP ; FU DIANKUI ; HUGHES TREVOR LLOYD ; HUTCHINS RICHARD ; HUGHES TREVOR ; HUGHES TREVOR L ; JESSE LEE ; KOLAKO EHLVIN ; LEE JESSE ; LEE JESSE C ; LEE JESSE CHING WANG ; LEE JESSE CHING WANG NELSON ER ; LI DZHESSE S ; LI FAN ; LI FANG ; LUNGWITZ BERNHARD ; NELSON ERIC ; NELSON ERIC B ; NELSON ERIK ; NELSON ERIK B ; PARRIS MICHAEL ; PHILIP LEE JESSE NELSON ERIK E ; PHILIP SULLIVAN ; POPE TIMOTHY L ; SALAMAT GOLCHI ; SAMUEL MATHEW ; SULLIVAN PHILIP ; SULLIVAN PHILIP F ; SULLIVAN PHILLIP ; TILLOTSON ROBERT ; TUSTIN GARY ; TUSTIN GARY J ; TUSTIN GARY JOHN ; YIYAN CHEN ; YIYAN LEE JESSE C CHEN

Inventor(s): TUSTIN GARY J CAMBRIDGE ; TILLOTSON ROBERT TOMS RIVER ; TIMOTHY L POPE ; TREVOR L HUGHES ; SAMUEL MATHEW PUNALUR ; SALAMAT GOLCHI SUGAR LAND ; RICHARD HUTCHINS ; POPE TIMOTHY ; PARRIS MICHAEL RICHMOND ; PHILIP F SULLIVAN ; PHILIP FLETCHER ; NELSON ERIK B HOUSTON ; LUNGWITZ BERNHARD STAFFORD ; MATHEW SAMUEL ; MICHAEL PARRIS ; LI FANG PLEASANTON ; LEE JESSE CHING WANG NELSON ERIK B ; LEE JESSE NELSON ERIK ENGLAND KEVIN SULLIVAN PHILIP ; LEE JESSE NELSON ERIK ENGLAND KEVIN SULLIVAN... ; LEE JESSE C SUGAR LAND ; KEITH DISMUKE ; KEVIN ENGLAND ; HUGHES TREVOR L CAMBRIDGE ; HUTCHINS RICHARD SUGAR LAND ; JESSE C LEE ; FU DIANKUI MISSOURI CITY ; GARY J TUSTIN ; GOLCHI SALAMAT ; FLETCHER PHILIP HOUSTON ; DISMUKE KEITH KATY ; ERIC NELSON ; ERIK B NELSON ; ERIK B NELSON BERNHARD LUNGWITZ KEITH DISMUKE ; ERIK NELSON ; DIANKUI FU ; DAHANAYAKE MANILAL PRINCETON JUNCTION ; COLACO ALLWYN SOUTH RIBER ; CHEN YIYAN SUGAR LAND ; CHEN IJAN' ; BERNHARD LUNGWITZ

Agent(s): GRIFFITH HACK ; SMART AND BIGGAR ; SPARING ROEHL HENSELER ; RZANIAK MARTIN ; MENES CATHERINE ; RAYBAUD HELENE F A ; STOOLE BRIAN DAVID ; FORTT SIMON MERTON ; SULEIMAN I AL AMMAR LAW OFFICE ; SCHLUMBERGER TECHNOLOGY CORP ; SCHLUMBERGER TECHNOLOGY DAVID CATE CORP ; NAVA ROBIN ; MITCHELL THOMAS O ; ECHOLS BRIGITTA L ; THOMAS O ; BRIGITTA L ; ROBIN ; CATE DAVID ; DAVID ; TIM ; FONSECA DARLA ; DARLA ; CATE DAVE ; DAVE ; MICHAEL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHOD AND COMPOSITION FOR THE TRIGGERED RELEASE OF POLYMER-DEGRADING AGENTS FOR OIL FIELD USE

Abstract: Disclosed are methods and related compositions for altering the physical and chemical properties of a substrate used in hydrocarbon exploitation, such as in downhole drilling operations. In a preferred embodiment a method involves formulating a fluid, tailored to the specific drilling conditions, that contains one or more inactivated enzymes. Preferably the enzyme is inactivated by encapsulation in a pH responsive material. After the fluid has been introduced into the well bore, one or more triggering signals, such as a change in pH, is applied to the fluid that will activate or reactivate the inactivated enzyme, preferably by causing it to be released by the encapsulation material. The reactivated enzyme is capable of selectively acting upon a substrate located downhole to bring about the desired change in the chemical or physical properties of the substrate.

Classifications:

International (IPC 8-9): C09K8/524 C09K8/536 C09K8/588
C09K8/66 C09K8/68 C09K8/92 E21B37/06 E21B43/25
E21B43/26 (Advanced/Invention);
C09K8/76 (Advanced/Non-invention);
C09K8/52 C09K8/60 E21B43/00 (Core/Invention)

International (IPC 1-7): C09K7/02 E21B37/06 E21B43/00 E21B43/16
E21B43/25 E21B43/26 E21B43/27

CPC: Y10S507/902 Y10S507/921 Y10S507/922 C09K8/92 C09K8/536
C09K8/665 C09K8/68 E21B37/06 E21B43/25 E21B43/26

European: C09K8/536 C09K8/66B C09K8/68 C09K8/92

US: 166/300 166/301 166/305.1 166/308.2 166/308.3 166/308.4
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PatBase - US2005130845_AA

Filed: Application Publication Jun. 16, 2005 Sheet 1 of 9 US 2005/0130845 A1

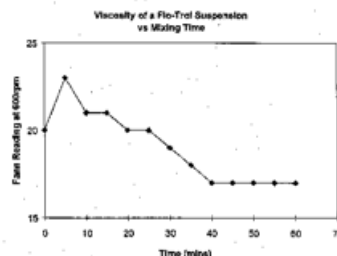


FIG. 1

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Priority:

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WO2000US31106 20001113 US20040990213 20041116

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Assignee(s): (std): M I LLC ; MI LLC

Assignee(s): NORMAN MONICA ; SYMES KENNETH C ; MISTRY KISHOR K ; M I LLC A CORP ; M I LLC A OF STATE OF DELAWARE CORP ; CIBA SPECIALTY CHEMICALS WATER TREATMENTS LTD ; BALLARD DAVID A ; CIBA SPECIALITY CHEMICALS WATER TREATMENT LTD ; FREEMAN MICHAEL A ; JIANG PING ; M I L L C

Inventor(s): (std): DAVID A BALLARD ; KENNETH C SYMES ; KISHOR K MISTRY ; MICHAEL A FREEMAN ; MONICA NORMAN ; PING JIANG ; SYMES KENNETH C ; NORMAN MONICA ; MISTRY KISHOR K ; JIANG PING ; FREEMAN MICHAEL A ; BALLARD DAVID A ; MISTRY KISHOR KUMAR ; NORMA MONICA ; BALLARD DAVID

Inventor(s): MONICA NORMA ; MISTRY KISHOR ; FREEMAN MICHAEL ; DAVID BALLARD ; SYMES KENNETH

Agent(s): DARK IP; PIZZEYS; RIDOUT AND MAYBEE LLP; HULL JOHN PHILIP; WOLFF BREGMAN AND GOLLER; CARTER J WHITE LEGAL DEPARTMENT M I LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK

LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL
SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: BREAKER FLUID

Abstract: A breaker fluid composition and methods for using said breaker fluid composition are provided, where the breaker fluid includes a non-aqueous base fluid, a precipitated silica, an acid source, and, in some embodiments, a chelant.

Classifications:

International (IPC 8-9): C09K8/34 C09K8/52 E21B21/00 E21B37/00 E21B37/06 E21B43/04 (Advanced/Invention)

CPC: E21B37/06 E21B43/04 C09K8/52 C09K8/03

US: 166/312 507/269

Family:

Publication number	Publication date	Application number	Application date
US2015175871 AA	20150625	US20130414090	20130709
WO14011587 A1	20140116	WO2013US49649	20130709

Priority:

US20120669539P 20120709 US20130414090 20130709 WO2013US49649 20130709

Probable Assignee: M I LLC

Assignee(s): (std): MI LLC

Assignee(s): M I LLC

Inventor(s): (std): LUYSER MARK ; METTATH SASHIKUMAR

Agent(s): TRAN ANDREA E ET AL

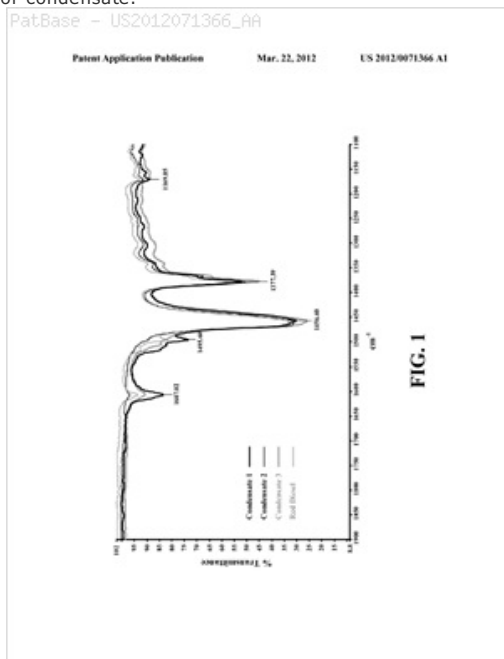
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Title: COMPLEMENTARY SURFACTANT COMPOSITIONS AND METHODS FOR MAKING AND USING SAME

Abstract: Complementary surfactant systems and downhole fluids made using the systems are disclosed along with methods for making and using same, where the surfactant systems include from 0 weight percent to 100 weight percent of a first surfactant subsystem, from 100 weight percent to 0 weight percent of a second surfactant subsystem, and from 0 weight percent to 100 weight percent of a solvent subsystem based on the weight percent of the surfactant subsystems, where the system is tailored to foam the fluid including the analyzed crude and/or condensate.

Classifications:

International (IPC 8-9): B01F17/00 C09K8/00 C09K8/02 C09K8/05 C09K8/38 C09K8/584 C09K8/60 C09K8/62 C09K8/68 C09K8/70 C09K8/94 C11D1/82 C11D1/825 E21B21/14 E21B43/12 E21B43/16 E21B43/22 E21B43/26 (Advanced/Invention)
CPC: E21B21/14 E21B43/26 E21B43/121 E21B43/166 B01F17/0085 E21B43/16 C09K8/38 C09K8/584 C09K8/602 C09K8/703 C09K8/94
European: C09K8/38 C09K8/584 C09K8/60G C09K8/70B C09K8/94
US: 1/1 166/305.1 166/308.6 166/372 175/65 507/100 507/100P 507/105 507/127 507/200 507/200S 507/202 507/205 507/233



Family:

Publication number	Publication date	Application number	Application date
BRP11104559 A2	20130122	BR2011PI04559	20110916
CA2752261 AA	20120317	CA20112752261	20110914
CA2752261 C	20131029	CA20112752261	20110914
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GC6764 A	20171221	GC2011P019284	20110914
MX2011009695 A1	20120620	MX20110009695	20110914
RU2011138206 A	20130327	RU20110138206	20110916
RU2487908 C2	20130720	RU20110138206	20110916
US2012071366 AA	20120322	US20100885062	20100917
US2013331301 AA	20131212	US20130965411	20130813
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US9090809 BB	20150728	US20130965411	20130813

Priority:

US20100885062 20100917 CA20112752261 20110914 US20130965411 20130813

Probable Assignee: WEATHERFORD TECHNOLOGY HOLDINGS LLC

Assignee(s): (std): FALANA OLUSEGUN MATTHEW ; LUBRIZOL OILFIELD CHEMISTRY LLC ; LUBRIZOL OILFIELD SOLUTIONS INC ; CLEARWATER INT LLC ; ZAMORA FRANK ; MARSHALL EDWARD C

Assignee(s): WEATHERFORD TECHNOLOGY HOLDINGS LLC ; CLEARWATER INTERNATIONAL LLC ; MARSHALL EDWARD

Inventor(s): (std): ZAMORA FRANK ; OLUSEGUN MATTHEW FALANA ; MARSHALL EDWARD ; FRANK ZAMORA ; FALANA OLUSEGUN MATTHEW ; EDWARD MARSHALL ; MARSHALL EDWARD C ; FALANA OLUSEGUN M

Inventor(s): OLUSEGUN M FALANA ; EDWARD C MARSHALL

Agent(s): MARKS AND CLERK; SAUD M A SHAWWAF LAW OFFICE; ROBERT W

Title: WELLBORE SERVICING COMPOSITIONS AND METHODS OF MAKING AND USING SAME

Abstract: A method of servicing a wellbore in a subterranean formation comprising placing a composition comprising an acid and/or an acid precursor, a surfactant, and an aqueous base fluid into contact with oil-wet solids in the wellbore; wherein the acid and/or acid precursor is selected from the group consisting of acetic acid; lactic acid; glycolic acid; oxalic acid; propionic acid; butyric acid; monochloroacetic acid; dichloroacetic acid; trichloroacetic acid; hydrochloric acid; nitric acid; sulphuric acid; sulphonic acid; sulphinic acid; phosphoric acid; phosphorous acid; phosphonic acid; phosphinic acid; sulphamic acid; aliphatic polyesters; glucono-delta-lactone; glucoheptonic lactone; poly(e-caprolactones); poly(hydroxybutyrates); poly(anhydrides); aliphatic polycarbonates; poly(amino acids); polyphosphazenes; poly(ortho esters); or combinations thereof.

Classifications:

International (IPC 8-9): C09K8/524 C09K8/74 E21B37/06 E21B37/08 (Advanced/Invention)

CPC: C09K8/524 C09K8/74

US: 507/261 507/267

Family:

Publication number	Publication date	Application number	Application date
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AU2013335191 BB	20151217	AU20130335191	20130924
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CA2889135 AA	20150420	CA20132889135	20130924
CA2889135 C	20180116	CA20132889135	20130924
DE602013020355 D1	20170608	DE201360020355T	20130924
EA201590765 A1	20150831	EA20150090765	20130924
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GC5670 A	20170524	GC2013P025570	20131021
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US2014113843 AA	20140424	US20120657326	20121022
US9890321 BB	20180213	US20120657326	20121022
WO14065972 A1	20140501	WO2013US61414	20130924

Priority:

US20120657326 20121022 EP20130773524 20130924 WO2013US61414 20130924

Probable Assignee: HALLIBURTON CO

Assignee(s): (std): HALLIBURTON ENERGY SERVICES INC ; HALLIBURTON CO ; HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC

Assignee(s): SHUMWAY WILLIAM WALTER ; HALLIBURTON ENERGY SERVICES INC HOUSTON

Inventor(s): (std): SHUMWAY WILLIAM WALTER ; WILLIAM WALTER SHUMWAY

Inventor(s): SHUMWAY WILLIAM WALTER SPRING

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; FB RICE; FB RICE PTY LTD; PARLEE MCLAWS LLP; TURNER CRAIG ROBERT; SABA AND CO TMP; HAYNES AND BOONE LLP; CARROLL RODNEY B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: WELL CLEANOUT USING CAUSTIC ALKYL POLYGLYCOSIDE COMPOSITIONS

Abstract: Oil and gas wells and injection wells are cleaned of oil-based drilling muds, pipe thread compounds, other oil contaminants, cement and contaminants in injection **water** by a composition comprising fresh **water** or seawater, one-half to ten percent concentration of an alkyl polyglycoside surfactant and one to ten percent of a caustic agent such as sodium hydroxide, potassium hydroxide or ammonium hydroxide.

Classifications:

International (IPC 8-9): C09K8/52 C09K8/60

E21B37/00 (Advanced/Invention)

International (IPC 1-7): E21B33/05 E21B37/00 E21B37/06

E21B43/00 E21B43/22 E21B43/25

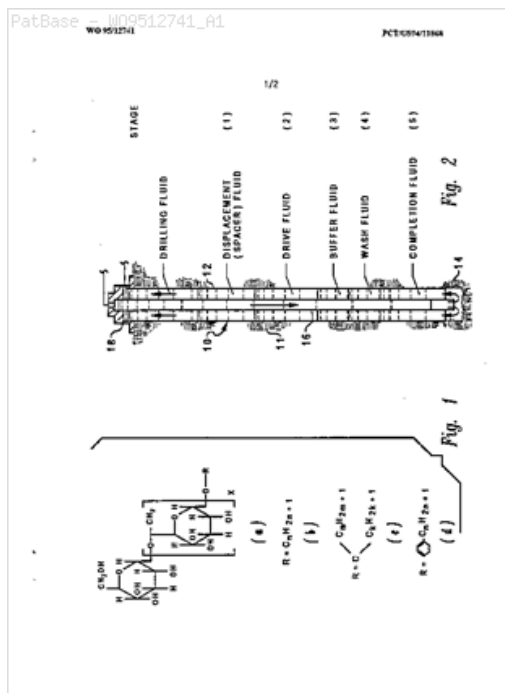
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European: C09K8/52 C09K8/60F E21B37/00

US: 166/291 166/304 166/312 507/209 507/211 507/213 507/215

507/216 507/219 507/221 507/225 507/226 507/227 507/228

507/234 507/261 507/262 507/276 507/927 507/929



Family:

Publication number	Publication date	Application number	Application date
CA2099012 AA	19930622	CA19922099012	19920123
CA2099012 C	19990803	CA19922099012	19920123
CA2175900 AA	19960506	CA19942175900	19941019
CA2175900 C	20010206	CA19942175900	19941019
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DE69427826 D1	20010830	DE19946027826	19941019
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EP0569484 B1	19951206	EP19920904799	19920123
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EP0727009 A4	19961120	EP19940931405	19941019
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NO303082 B1	19980525	NO19930002724	19930729
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NO961793 A	19960503	NO19960001793	19960503
NO961793 A0	19960503	NO19960001793	19960503
US5374361 A	19941220	US19940219249	19940329
US5458197 A	19951017	US19930148736	19931105
WO9214031 A1	19920820	WO1992US00570	19920123
WO9512741 A1	19950511	WO1994US11868	19941019

Priority:

US19910647867 19910130 WO1992US00570 19920123 US19920863529 19920406
US19930148736 19931105 US19940219249 19940329 WO1994US11868 19941019

Probable Assignee: CONOCO PHILLIPS CO

Assignee(s): (std): ATLANTIC RICHFIELD CO ; PHILLIPS PETROLEUM CO

Assignee(s): PHILLIPS PETROLEUM COMPANY ; ATLANTIC RICHFIELD CO CHICAGO ; ATLANTIC RICHFIELD CO PLANO TEX US ; ATLANTIC RICHFIELD COMPANY ; CHAN ALBERT F ; CONOCO PHILLIPS CO ; CONOCOPHILLIPS CO

Inventor(s): (std): CHAN ALBERT F ; CHAN F ; CHAN ALBERT

Agent(s): OSLER HOSKIN AND HARCOURT LLP

Designated states: AT BE CA CH DE DK ES FR GB GR IE IT LU MC NL NO PT SE

Title: PHOSPHINATE INHIBITOR FOR SCALE SQUEEZE APPLICATIONS

Abstract: A squeeze treatment for preventing scale utilizes as the scale inhibitor a predominantly phosphinate containing composition comprising: - Mole Percent - Ingredients Less Than -A. Monosodium phosphinicobis - 22 - (succinic acid) -B. Monosodium phosphinico- 26 - succinic acid -C. Sodium phosphonosuccinic acid 12 -D. Sodium phosphate 5 -E. Sodium phosphite 6 -F. Sodium hypophosphite, and 6 -G. A phosphinicosuccinic acid oligomer - having the probable structural formula: - - wherein G exceeds 25 mole percent, M is H, Na, K, NH₄, amine salts and mixtures thereof and m and n are either 0 or a small whole number with the proviso that either m or n is a small whole number and the sum of m plus n is greater than 2.

Classifications:

International (IPC 8-9): C02F5/14 C07F9/30 C09K8/528 C23F14/02 E21B37/06 (Advanced/Invention);

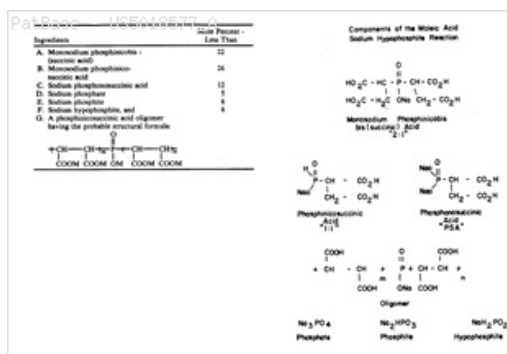
C02F5/10 C07F9/00 C09K8/52 (Core/Invention)

International (IPC 1-7): C02F5/14 C23F14/02 E21B37/00 E21B37/06 E21B43/22

CPC: Y10S507/927 C09K8/528 C02F5/14 C07F9/301

European: C02F5/14 C07F9/30A1 C09K8/528

US: 166/263 166/279 166/312 210/699 252/8.552 507/237 507/927 73/61.62



Family:

Publication number	Publication date	Application number	Application date
CA2044364 AA	19920203	CA19912044364	19910611
US5018577 A	19910528	US19900561854	19900802

Priority:

US19900561854 19900802 CA19912044364 19910611

Probable Assignee: ECOLAB USA INC

Assignee(s): (std): NALCO CHEMICAL CO

Assignee(s): NALCO EXXON ENERGY CHEMICALS LP ; ONDEO NALCO ENERGY SERVICES LP ; NALCO ENERGY SERVICES LP ; NALCO CO ; NALCO CHEMICAL COMPANY ; KNELLER JAMES F ; PARDUE JERRY E ; NALCO CO LLC ; BANK OF AMERICA NA ; BANK OF AMERICA NA COLLATERAL AGENT AS ; CITICORP NORTH AMERICA INC ; CITICORP NORTH AMERICA INC ADMINISTRATIVE AGENT AS ; ECOLAB USA INC

Inventor(s): (std): PARDUE JERRY E ; KNELLER JAMES F

Agent(s): SMART AND BIGGAR

Title: COMPOSITIONS FOR AND METHODS OF STABILIZING SUBTERRANEAN FORMATIONS CONTAINING CLAYS

Abstract: A composition of matter for use in stabilizing shale formations in earth boreholes comprising polymeric products, e.g., polymers of a dialkyl aminoalkyl methacrylate, which can optionally be quaternized with an alkyl halide to produce drilling fluid additives which stabilize borehole formations containing reactive clays in the presence of an aqueous medium.

Classifications:

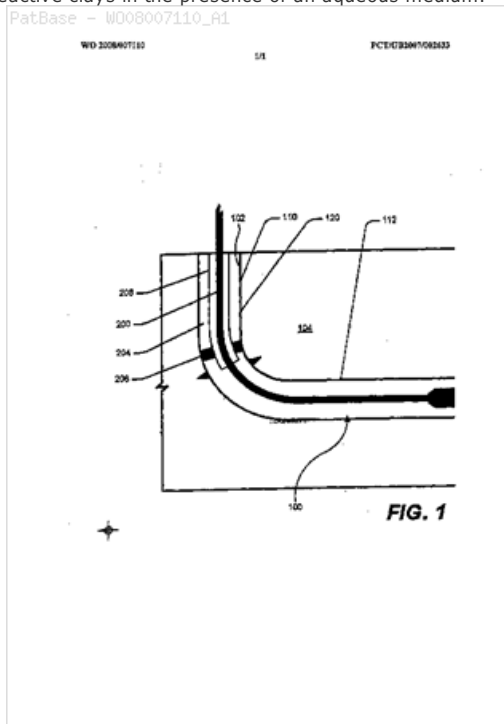
International (ipc 8-9): C08F220/34 C08F220/60 C09K8/035 C09K8/04 C09K8/06 C09K8/10 C09K8/12 C09K8/20 C09K8/24 C09K8/40 C09K8/50 C09K8/504 C09K8/508 C09K8/512 C09K8/514 C09K8/516 C09K8/52 C09K8/528 C09K8/575 C09K8/58 C09K8/588 C09K8/60 C09K8/62 C09K8/66 C09K8/68 C09K8/72 C09K8/74 C09K8/86 C09K8/88 C09K8/90 E21B33/13 E21B33/138 E21B33/16 E21B43/00 E21B43/02 E21B43/04 E21B43/11 E21B43/16 E21B43/22 E21B43/25 E21B43/26 E21B43/27 E21B43/28 (Advanced/Invention); C08F220/00 C09K8/02 C09K8/40 C09K8/50 C09K8/52 C09K8/56 C09K8/60 E21B33/13 E21B33/138 E21B43/00 E21B43/02 E21B43/11 E21B43/16 E21B43/25 (Core/Invention)

International (ipc 1-7): C08F220/34 C08F220/56 C08F220/60 C08F226/10 C08L33/14 C08L33/24 C09K7/00 C09K7/02 C09K8/04 C09K8/508 C09K8/60 E21B33/13 E21B33/138 E21B37/06 E21B43/00 E21B43/02 E21B43/04 E21B43/16 E21B43/25 E21B43/26 E21B43/27 E21B7/18

CPC: C09K8/50 C09K8/504 C09K8/508 C09K8/5751 C09K8/66 C09K8/68 C09K8/72 C09K8/88 C09K8/516 C09K8/575 C09K8/52 C09K8/607 C09K2208/12 C09K8/10 C09K8/035 C09K8/514 C09K8/76 C09K8/882 C09K8/512 E21B21/003 Y10S507/928 C09K8/5086 C09K8/40 C08F220/34 C08F220/60 C09K8/12 C09K8/24 C09K8/5083 C09K8/86 C09K8/528 C09K8/74

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US: 166/276 166/278 166/279 166/281 166/282 166/291 166/293 166/294 166/294S 166/295 166/295S 166/297 166/297S 166/300 166/305.1 166/305.100P 166/306 166/307 166/308.1 166/310 175/72 175/72P 507/110 507/112 507/117 507/118 507/118S 507/119 507/119S 507/120 507/120P 507/124 507/124S 507/200 507/200P 507/201 507/203 507/203S 507/211 507/212 507/213 507/214 507/214P 507/219 507/219P 507/219S 507/221 507/222 507/224 507/224S 507/225 507/225S 507/226 507/226S 507/227 507/228 507/230 507/239 507/240 507/241 507/241S 507/244 507/245 507/245S 507/246 507/247 507/248 507/252 507/253 507/254 507/255 507/256 507/259 507/260 507/260S 507/261 507/263 507/266 507/266S 507/267 507/276 507/925 507/925S 507/928 523/130 526/206

**Family:**

Publication number	Publication date	Application number	Application date
AR050504 AA	20061101	AR2005P102038	20050518
AR054244 AA	20070613	AR2006P101195	20060328
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Priority:

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Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; OGILVY RENAULT LLP SENCRL SRL; CURTIS PHILIP ANTHONY ET AL; ROBERT A KENT HALLIBURTON ENERGY SERVICES; ROBERT A KENT; ROBERT A KENT HALLIBURTON ENERGY SERVICES INC; HALLIBURTON ENERGY SERVICES; HALLIBURTON ENERGY SERVICES INC; CRAIG W; BAKER BOTTS LLP; ROBERT A; HAYNES AND BOONE LLP; BAKER BOTTS; CRUTSINGER AND BOOTH; FLETCHER YODER AND VAN SOMEREN; MCDERMOTT WILL AND EMERY LLP; HOLLY; CURTIS PHILIP ANTHONY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: TAGGED SCALE INHIBITING POLYMERS, COMPOSITIONS COMPRISED THEREOF AND PREVENTING OR CONTROLLING SCALE FORMATION THEREWITH

Abstract: Tagged scale-inhibiting polymers, compositions comprised thereof and preventing or controlling scale formation therewith, the tagging units being units deriving from a monomer having the formula X_2C-CY' wherein X is a hydrogen atom, or a C_1-C_4 alkyl radical, Y is a hydrogen atom or a C_1-C_4 alkyl radical, Y' is a radical having formula $-L-Arom$, wherein L is a covalent bond or a divalent organic linking group optionally comprising heteroatoms, and Arom is a group comprising at least two conjugated aromatic rings, said rings comprising conjugated carbon atoms, and, linked to said carbon atoms, hydrogen atoms or other substituents.

Classifications:

International (ipc 8-9): C02F5/00 C02F5/08 C02F5/10 C02F5/12 C02F5/14 C07F9/48 C08F220/06 C09K8/52 C09K8/528 C23F11/00 C23F11/10 C23F11/14 C23F11/173 C23F14/00 E21B37/06 E21B43/14 E21B43/20 E21B43/22 (Advanced/Invention); C09K8/528 (Advanced/Non-invention); C23F11/00 (Core/Invention)

International (ipc 1-7): C02F5/00 C02F5/14 C07F9/48 C08F220/06 C23F11/10 C23F11/14 E21B37/06 E21B43/14 E21B43/20

CPC: C02F5/12 C02F5/14 C02F2103/023 C02F2103/08 C02F2103/10 C02F2103/28 C08F2/005 C09K8/528 C11D3/378 C11D3/3784 C23F14/00 C23F14/02

European: C02F5/12 C02F5/14 C08F2/00W4 C09K8/528 C11D3/37C10 C11D3/37C9 C23F14/00 C23F14/02 M02F103/02B M02F103/08 M02F103/10 M02F103/28

US: 166/252.6 166/264 166/268 166/268S 166/279 166/304 166/400 210/696 252/175 252/408.1 252/408.100 252/408.100P 422/7 422/7S 507/237

PatBase - US2007125987_AA

Patent Application Publication Jun. 7, 2007 Sheet 1 of 7 US 2007/0125987 A1

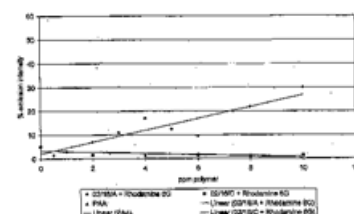


Figure 1

Family:

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Priority:

US20030482257P 20030625 US20030482271P 20030625 WO2004EP06975 20040625
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EMMA ; PASCAL CHAPON ; PASCAL HILLS EMMA CHAPON ; SYLVIE TOUZET ; LANGLUA BRJUNO ;
LANGLOIS BRUNO ; KHILLS EHMMA ; GLOIS BRUNO ; TUZE SIL VI ; TOUZET SYLVIE

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SYLVIE LANGLOIS BRUNO

Agent(s): ROBIC ; SEUGNET JEAN LOUIS ; SEUGNET JEAN LOUIS ET AL ; BUCHANAN INGERSOLL AND ROONEY PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
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KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM
PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU
ZA ZM ZW

Title: **DISPOSABLE** SERVING PLATE WITH SIDEWALL-ENGAGED SEALING COVER

Abstract: In a preferred construction, a food container includes: (i) a container base such as a serving platter, plate or bowl having (a) a substantially planar central area, (b) a container base sidewall extending outwardly and upwardly from the central area having: (1) a frustal tapered container base sealing area formed in the container base sidewall, and (2) a container base stop ridge adjacent the frustal tapered container base sealing area, and (c) an outwardly extending convex rim adjoining the container base stop ridge having an outer lip formed thereabout; and (ii) a resilient mating domed lid having (a) a raised central portion, (b) a downwardly extending resilient lid sidewall adjoining the raised central portion, (c) a flexible surround adjoining and extending outwardly about the downwardly extending resilient lid sidewall, (d) an outwardly extending flange adjoining the surround having (1) a frustal tapered lid sealing area formed there for engaging the frustal tapered container base sealing area wherein the downwardly extending resilient lid sidewall, flexible surround and the outwardly extending flange are configured to urge the frustal tapered lid sealing area into contact area engagement with the frustal tapered container base sealing area while the lid stop ridge and container base stop ridge are configured to retain the frustal tapered lid sealing area and frustal tapered container base sealing area in surface-to-surface engagement with each other. A common lidding container ensemble utilizes the same construction of the lid with containers of different heights, sidewall angles and volumes; a plate and bowl of like diameter, for example.

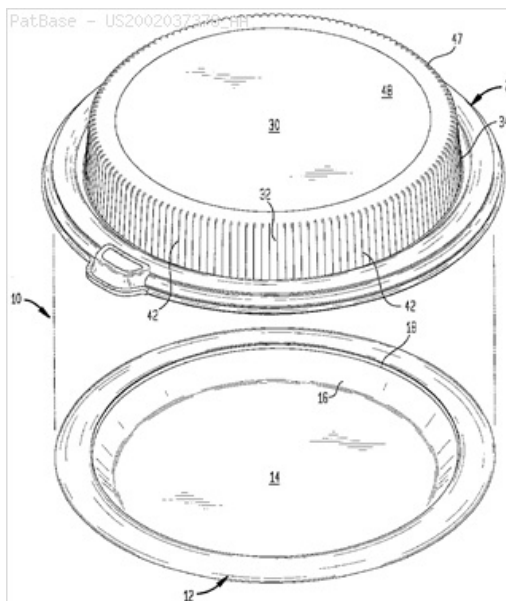
Classifications:

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International (IPC 1-7): A47G19/00 B32B1/02 B65D1/34 B65D41/10 B65D41/16 B65D41/18 B65D43/02 E21B33/068 E21B34/06 E21B37/06 E21B43/25

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US: 166/242.5 166/242.500S 166/305.1 166/305.100P 166/379 166/379S 166/75.15 166/90.1 166/90.100S 166/95.1 166/95.100S 166/97.1 166/97.100S 206/501 206/509 206/512 219/735 219/735S 220/23.86 220/367.1 220/367.100S 220/4.24 220/4.240S 220/575 220/575S 220/78 220/780 220/781 220/782 220/79 220/790 428/34.1 428/35.7 428/35.700P 428/35.700S 428/36.5 428/36.500P 428/36.6 428/36.8



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Inventor(s): CURTIS KOFOED ; KEVIN E ; LUTZ ; KOHOUT JOHN AC ; RANDY C TOLMAN ; LUTZ KEVIN EJR ; WHITMORE REBECCA ; LUTZ KEVIN ; VAN HANDEL GERALD ; HOKS MARGARET ; KOHOUT JOHN ; LITTLEJOHN MARK

Agent(s): OGILVY RENAULT LLP SENCRL SRL; BLAKE CASSELS AND GRAYDON LLP; PATENT GROUP GA 030 43 GEORGIA PACIFIC CORP; GEORGIA PACIFIC LLC; JACQUELINE M; WILLIAM W

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Title: METHODS AND FLUID COMPOSITIONS DESIGNED TO CAUSE TIP SCREENOUTS

Abstract: In stimulation treatments to increase the production of hydrocarbons from subterranean formations, especially in treatments including hydraulic fracturing followed by gravel packing, desirable short wide fractures are created and filled with proppant by deliberately including in the first fluid/proppant slurry pumped a sufficiently high concentration of a bridging-promoting material, such as fibers, that reduces the mobility of the slurry when it dewateres so that screenout at or near the tip occurs.

Classifications:

International (IPC 8-9): C09K8/00 C09K8/02 C09K8/035 C09K8/04 C09K8/06 C09K8/08 C09K8/12 C09K8/50 C09K8/504 C09K8/506 C09K8/508 C09K8/512 C09K8/514 C09K8/52 C09K8/524 C09K8/528 C09K8/575 C09K8/584 C09K8/60 C09K8/62 C09K8/66 C09K8/68 C09K8/70 C09K8/72 C09K8/74 C09K8/76 C09K8/80 E21B21/00 E21B33/13 E21B33/138 E21B37/06 E21B43/02 E21B43/04 E21B43/22 E21B43/25 E21B43/26 E21B43/267

E21B43/27 (Advanced/Invention);
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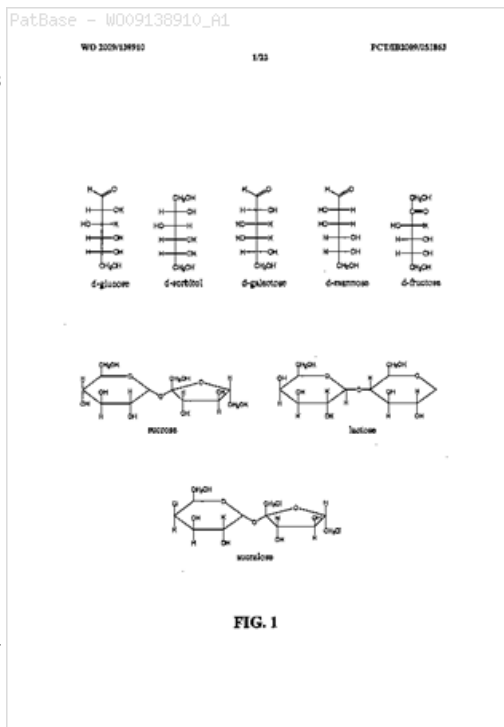
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Family:

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Probable Assignee: SCHLUMBERGER TECHNOLOGY CORP

Assignee(s): (std): ABAD CARLOS ; BASER BELGIN ; BLANCO JUAN G ; BLANCO JUAN GABRIEL ; BONEY CURTIS ; BONEY CURTIS L ; COMPANIE DES SERVICES DOWELL S ; BROWN J E ; CAVAZZOLI GUSTAVO ; FRANCINI PIA ANGELA ; FU DIANKUI ; BROWN J ERNEST ; CHEN YIYAN ; BULOVA MARINA ; FREDD CHRISTOPHER N ; SCHLUMBERGER SERVICES PETROL ; LEE JESSE C ; SALAMAT GOLCHEHREH ; HOFER ANN M ; POPE TIMOTHY L ; LIN LIJUN ; NELSON ERIK ; SCHLUMBERGER CA LTD ; SCHLUMBERGER TECHNOLOGY BV ; SCHLUMBERGER HOLDINGS ; MILLER MATTHEW J ; SCHLUMBERGER TECHNOLOGY CORP ; SCHLUMBERGER CANADA LTD ; HOFER ANN M W ; LI LEIMING ; PRAD RES AND DEV NV ; BUI TOAN ; PRAD RES AND DEV LTD ; PETROLEUM RES AND DEV NV ; PRAD RESEARCH AND DEV LIMETED ; WILLBERG DEAN M ; SOFITECH NV ; SULLIVAN PHILIP ; SULLIVAN PHILIP F ; SULLIVAN PHILLIP F ; SHLUMBERGER TEKNOLODZHI BV

Assignee(s): SOFITECH N V ; SERVICES PETROLIERS SCHLUMBERGER ; PRAD RESEARCH AND DEVELOPMENT LIMETED ; COMPANIE DES SERVICES DOWELL SCHLUMBERGER SA ; PRAD RESEARCH AND DEVELOPMENT LTD ; SCHLUMBERGER HOLDINGS LTD ; PRAD RESEARCH AND DEVELOPMENT NV ; PRAD RESEARCH AND DEVELOPMENT N V ; COMPANIE DES SERVICES DOWELL SCHLUMBERGER S A

Inventor(s): (std): ABAD CARLOS ; ABAD KARLOS ; BASER BELGIN ; BLANCO JUAN G ; BLANCO JUAN GABRIEL ; BONEY CURTIS ; BONEY CURTIS L ; BROWN J ERNEST ; BULOVA MARINA ; CAVAZZOLI GUSTAVO ; CHEN YIYAN ; BROWN J E ; DEAN WILLBERG ; FRANCINI PIA ANGELA ; FREDD CHRISTOPHER N ; FU DIANKUI ; HOFER ANN M ; LEE JESSE C ; LI LEHJMIN ; LIN LIJUN ; LIN LITSZJUN ; POPE TIMOTHY L ; SALAMAT GOLCHEHREH ; SULLIVAN PHILIP ; SULLIVAN PHILIP F ; SULLIVAN PHILLIP F ; WILLBERG DEAN ; WILLBERG DEAN M ; SULLIVAN PHILIP F BONEY CURTIS ; MILLER MATTHEW J ; NELSON ERIK ; PHILIP SULLIVAN ; LI LEIMING ; HOFER ANN M W ; CURTIS BONEY ; BUI TOAN

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FRANCINI ; PHILLIP F SULLIVAN ; SULLIVAN PHILIP F BONEY CURTIS L ; MATTHEW J MILLER ; HOFER
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NAVA ROBIN; MITCHELL THOMAS O; TIM; DAVID; DARLA; CATE DAVID; FOUDECA DARLA; DAVE;
CHARLOTTE; JEFF; MARTIN; MARCIN; DARYL R; MATTHIEU; RACHEL; JEREMY D; JEFFREY R; FONSECA
DARLA; RZANIAK MARTIN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU
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Title: METHOD FOR INHIBITING THE DEPOSITION OF WAX FROM A WAX-CONTAINING OIL

Abstract: A method for inhibiting the deposition of wax from wax-containing petroleum and other wax-containing oils in which a small amount of a wax deposition inhibitor comprised of a copolymer of ethylene and a monoethylenically unsaturated ester is added to the petroleum.

Classifications:

International (IPC 8-9): C09K8/524 C10L1/18 C10L1/195 C23F11/12 C23F15/00 E21B37/06 E21B43/25 (Advanced/Invention); C10L1/18 (Advanced/Non-invention);

C09K8/52 C10L1/10 C23F11/10 C23F15/00 E21B37/00 E21B43/25 (Core/Invention)

International (IPC 1-7): C10G29/22 C10L1/18 C23F11/12 C23F15/00 E21B43/25

CPC: Y10S507/931 C10L1/195 C09K8/524 C10L1/1963 C10L1/1973 E21B43/25

European: C09K8/524 C10L1/195 E21B43/25 M10L1/196B M10L1/197B

US: 134/40 166/279 166/304 252/8.3 252/8.55B 507/221 507/224 507/90 507/931

Family:

Publication number	Publication date	Application number	Application date
CA967903 A1	19750520	CA19710120980	19710820
US3669189 A	19720613	US19700084916	19701028

Priority:

US19700084916 19701028

Probable Assignee: UNION OIL CO

Assignee(s): (std): UNION OIL CO

Assignee(s): UNION OIL CO OF CALIFORNIA ; UNION OIL COMPANY OF CALIFORNIA ; FISCHER PAUL W

Inventor(s): (std): FISCHER PAUL W

Inventor(s): PAUL W FISCHER

Title: METHOD FOR FOAMING A HYDROCARBON DRILLING FLUID AND FOR PRODUCING LIGHT WEIGHT HYDROCARBON FLUIDS

Abstract: A hydrocarbon drilling fluid system is disclosed including a hydrocarbon fluid and a foaming composition, where the foaming composition includes a polymer, a gelling agent and its cross-linking agent, an optional foaming agent, or mixtures or combinations thereof. Uses of this drilling fluid system in a variety of downhole application are also disclosed.

Classifications:

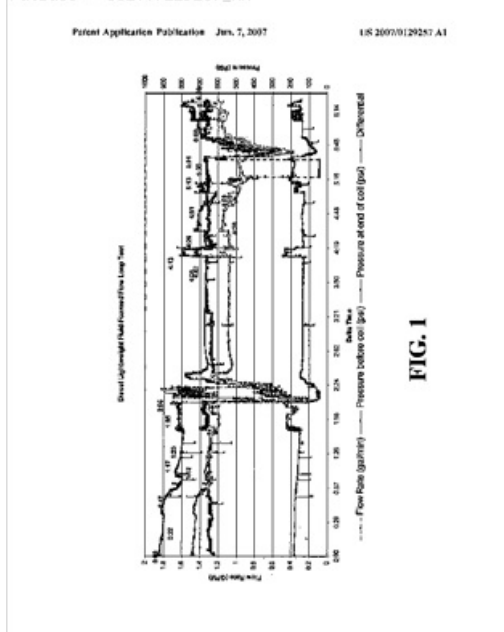
International (IPC 8-9): C09K8/00 C09K8/36 C09K8/38 C09K8/60 C09K8/70 C09K8/94 E21B21/14 E21B43/22 (Advanced/Invention); E21B43/00 (Advanced/Non-invention); C09K8/00 C09K8/02 E21B21/00 E21B43/16 (Core/Invention); E21B43/00 (Core/Non-invention)

CPC: C09K8/36 C09K8/38 C09K8/703 C09K8/94 C09K8/60

European: C09K8/36 C09K8/38 C09K8/70B C09K8/94

US: 175/69 507/102 507/103

PatBase - US2007129257_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20050293859 20051202 CA20062547150 20060517

Probable Assignee: WEATHERFORD TECHNOLOGY HOLDINGS LLC

Assignee(s): (std): CLEARWATER INT LLC ; WEATHERFORD LAMB ; CLEARWATER INTERNATIONAL LLC ; WEATHERFORD TECH HOLDINGS LLC

Assignee(s): CLEARWATER INT ; GATLIN LARRY W ; KIPPIE DAVID P ; WEATHERFORD TECHNOLOGY HOLDINGS LLC ; WEATHERFORD TECHNOLOGY HOLDINGS LLC2000 ST. JAMES PL.HOUSTONTX77056US ; WEATHERFORD LAMB INC2000 ST. JAMES PLACEHOUSTONTX77056US ; CLEARWATER INT LLC2000 ST. JAMES PLACEHOUSTONTX77056US ; WEATHERFORD LAMB INC

Inventor(s): (std): KIPPIE DAVID P ; GATLIN LARRY W

Inventor(s): DAVID P KIPPIE ; KIPPIE DAVID PUS ; GATLIN LARRY WUS ; KIPPIE DAVID ; GATLIN LARRY ; LARRY W GATLIN

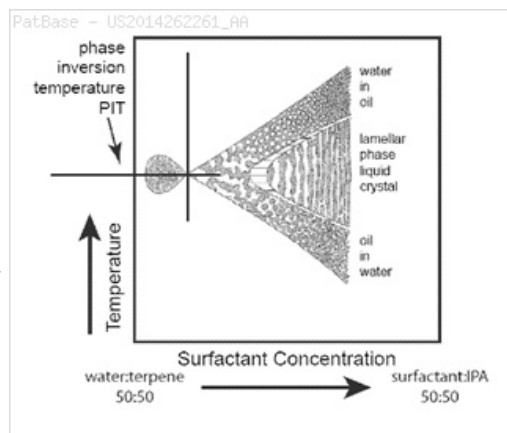
Agent(s): FRASER OLD AND SOHN; MARKS AND CLERK; ROBERT W STROZIER PLLC; ROBERT W

Title: METHODS AND COMPOSITIONS FOR STIMULATING THE PRODUCTION OF HYDROCARBONS FROM SUBTERRANEAN FORMATIONS

Abstract: Methods and compositions for stimulating of the production of hydrocarbons (e.g., formation crude oil and/or formation gas) from subterranean formations are provided. In some embodiments, the compositions are emulsions or microemulsions, which may include **water**, a terpene, and a surfactant. In some embodiments, methods of selecting a composition for treating an oil or gas well are provided.

Classifications:

International (IPC 8-9): B01D17/00 C07C69/007 C07G3/00 C09K8/00 C09K8/035 C09K8/20 C09K8/26 C09K8/28 C09K8/36 C09K8/40 C09K8/42 C09K8/467 C09K8/52 C09K8/524 C09K8/58 C09K8/584 C09K8/588 C09K8/60 C09K8/62 C09K8/64 C09K8/66 C09K8/68 C09K8/70 C09K8/72 C09K8/74 C09K8/82 C09K8/84 C09K8/86 C09K8/88 C09K8/90 C09K8/92 C10G33/00 C9K8/58 E21B21/00 E21B21/06 E21B21/14 E21B33/13 E21B43/114 E21B43/16 E21B43/22 E21B43/25 E21B43/26 E21B43/267 E21B43/27 (Advanced/Invention)
CPC: C09K8/516 C09K8/86 E21B43/162 C04B28/02 C09K8/467 C09K8/64 C09K8/82 C09K8/52 C09K8/68 C09K8/70 C09K8/72 E21B43/26 C09K8/588 C09K8/58 C04B40/0039 C09K8/66 C09K8/84 C09K8/88 E21B43/16 C09K8/40 C09K8/42 C09K8/62 C09K8/90 C09K8/524 B01D17/047 C10G33/04 C09K8/26 C09K8/36 C09K8/584 C09K8/602 C09K8/28 C07G3/00 C07C31/205 C07G17/00 C09K8/035 E21B21/00 E21B33/13 E21B43/283 C09K8/92 C07C69/007 C09K8/604 C09K8/725 C09K8/74 C09K8/885
US: 1/1 166/244.1 166/279 166/292 166/298 166/300 166/305.1 166/308.2 507/136 507/211 507/225 507/226 507/261 507/262



Family:

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Priority:

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US20180016967	20180625	US20180148351	20181001		

Probable Assignee: FLOTEK CHEMISTRY LLC

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Assignee(s): GONZALES ROLDAN MONICA ; HILL RANDAL M ; LETT NATHAN L ; SOEUNG MELINDA ; ZELENEV ANDREI ; PENNY GLENN S ; HUGHES JOBY ; SILAS JAMES ; SABOOWALA HASNAIN ; PURSLEY JOHN T ; MAST NICOLE ; HILL RANDALL M ; CHAMPAGNE LAKIA M ; GREEN MARIA ELIZABETH ; GONZALEZ ROLDAN MONICA ; HAMMOND CHARLES EARL ; DISMUKE KEITH INGRAM ; FURSDON WELSH ANGUS ; GERMACK DAVID ; BRYAN MICHAEL A

Inventor(s): (std): ASHCRAFT PAUL ; TRABELSI SIWAR ; ZELENEV ANDREI ; SOEUNG MELINDA ; SILAS JAMES ; SABOOWALA HASNAIN ; PURSLEY JOHN T ; PENNY GLENN S ; MAST NICOLE ; LETT NATHAN L ; HUGHES JOBY ; HILL RANDALL M ; HILL RANDAL M ; HAMMOND CHARLES EARL ; GREEN MARIA ELIZABETH ; GONZALEZ ROLDAN MONICA ; GONZALES ROLDAN MONICA ; DISMUKE KEITH INGRAM ; CHAMPAGNE LAKIA M ; CHAMPAGNE LAKIA C ; BRYAN MICHAEL A ; SMITH GONZALEZ MONICA ; KHARGHORIA ARUN ; HILL RANDAL ; BISWAS DEEPANKAR ; GERMACK DAVID ; FURSDON WELSH ANGUS ; CHAMPAGEN LAKIA M

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; RIDOUT AND MAYBEE LLP; HERTIN U PARTNER RECHTS U PATENTANWAELTE PARTG MBB; HERTIN U PARTNER RECHTS U PATENTANWAELTE PARTG MBB; WOLF GREENFIELD AND SACKS PC; GABERT ANDREA J; WALAT ROBERT H

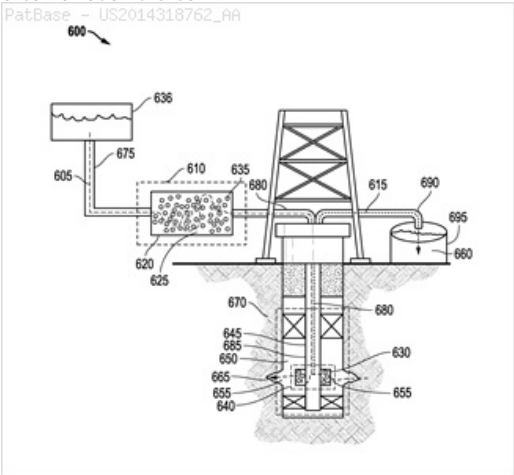
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SCALE PREVENTION TREATMENT METHOD, SYSTEM, AND APPARATUS FOR WELLBORE STIMULATION

Abstract: A method of servicing a wellbore comprising placing a wellbore servicing apparatus into a wellbore, wherein the wellbore servicing apparatus contains a plurality of mobilized template-assisted crystallization beads and contacting a fluid comprising scale-forming ions with at least a portion of the template-assisted crystallization beads. A method of servicing a wellbore, comprising contacting a fluid comprising scale-forming ions with a quantity of template-assisted crystallization beads in a vessel to form a treated fluid, wherein the template-assisted crystallization beds are mobile within the vessel and placing the treated fluid into a wellbore, a subterranean formation, or a combination thereof.

Classifications:

International (IPC 8-9): C02F5/02 C09K8/52 E21B33/129 E21B37/00 E21B37/06 E21B43/00 E21B43/02 E21B43/08 (Advanced/Invention)
CPC: C09K8/52 E21B33/129 E21B37/06 C02F5/02 C02F2209/06 C09K8/528
US: 1/1 166/118 166/179 166/227 166/242.1 166/278 166/90.1



Family:

Publication number	Publication date	Application number	Application date
BR112015024205 A2	20170718	BR20151124205	20140422
US2014318762 AA	20141030	US20130873016	20130429
US2014318777 AA	20141030	US20130872964	20130429
US9470066 BB	20161018	US20130872964	20130429
WO14179118 A2	20141106	WO2014US34976	20140422
WO14179118 A3	20150305	WO2014US34976	20140422

Priority:

US20130872964 20130429 US20130873016 20130429 WO2014US34976 20140422

Probable Assignee: HALLIBURTON CO

Assignee(s): (std): HALLIBURTON CO ; HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): ELI ALLEN SCHNOOR ; FONTENELLE LUCAS KURTIS ; GRIDER HOLLY ANN ; HOLLI ANN GRIDER ; LUCAS KURTS FONTENELLE ; NATHAN CARL SCHULTHEISS ; SCHNOOR ELI ALLEN ; SCHULTHEISS NATHAN CARL ; STAIR TODD ANTHONY ; TODD ANTHONY STAIR

Agent(s): CRAIG W; BAKER BOTTS LLP; CONLEY ROSE PC ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: COPOLYMER BASED ON OLEFINIC SULPHONIC ACIDS

Abstract: A copolymer based on olefinic sulphonic acids as monomer component a) and an organosilicone-containing compound as reactive component b) is proposed, for which in particular 2-acrylamido-2-methylpropanesulphonic acid (AMPS(R)) is suitable as component a) and vinyltrimethoxysilane, vinyltriethoxysilane and trichlorosilane as component b). This copolymer, which may have a molecular weight of from 5,000 to 5,000,000 g/mol, may also comprise further reaction components c) and d) in addition to the two main components for which further reaction components (meth)acrylamides or vinyl ethers are suitable. These copolymers, which are obtainable in particular by precipitation or gel polymerizations, are used in particular in applications in construction chemistry and here especially as water retention agents and fluid loss additives in drilling fluids and for well cementing. The novel copolymers are distinguished by pronounced thermal stability, which is displayed especially under difficult pressure conditions and at high salinities.

Classifications:

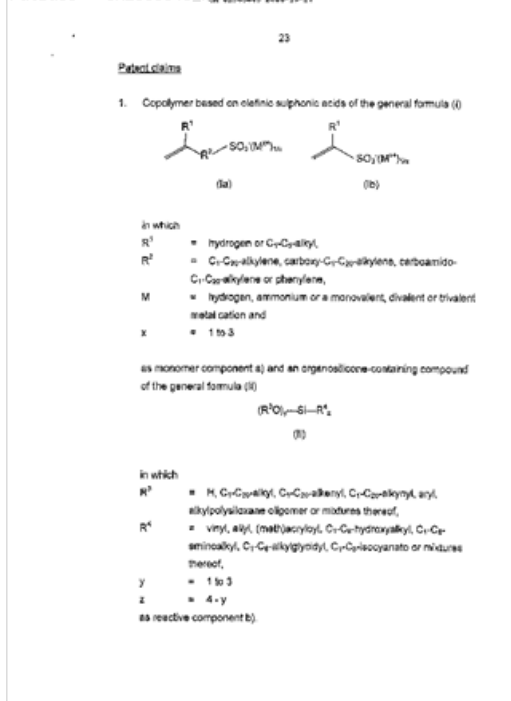
International (IPC 8-9): C04B24/16 C04B24/26 C08F216/14 C08F220/02 C08F226/00 C08F228/02 C08F230/08 C08F273/00 C08G77/442 C08L33/26 C08L83/04 C09K8/00 C09K8/02 C09K8/12 C09K8/44 C09K8/88 E21B33/138 E21B37/06 (Advanced/Invention); C08F228/00 C08F230/00 C09K8/02 C09K8/42 (Core/Invention)

CPC: C09K8/42 C04B24/166 C04B24/42 C04B2103/46 C08F216/1416 C08F220/26 C08F220/56 C08F220/58 C08F228/02 C08F230/08 C09K8/035 C09K8/467 C09K8/487 E21B37/06 C04B24/163 C04B24/26 C08L83/04 C09K8/00 E21B33/138

European: C04B24/16P2 C04B24/16P4 C04B24/26 C04B24/42 C08F220/58 C08F228/02 C08F230/08 C08L83/04 C09K8/00 C09K8/035 C09K8/42 C09K8/467 C09K8/487 E21B33/138 E21B37/06 M04B103/46 M08F216/14D M08F220/26 M08F220/56 M08F228/02

US: 507/121 507/121P 507/122 507/122S 523/130 523/130S 526/279 526/279P 526/287 526/287S

PatBase - CA2565845_A9

**Family:**

Publication number	Publication date	Application number	Application date
CA2565845 AA	20070429	CA20062565845	20061027
DE102005051906 A1	20070503	DE200510051906	20051029
GB200618515 A0	20061101	GB20060018515	20060920
GB2431661 A1	20070502	GB20060018515	20060920
GB2431661 B2	20100106	GB20060018515	20060920
US2007100102 AA	20070503	US20060551490	20061020
US2010062952 AA	20100311	US20090590673	20091112

Priority:

DE200510051906 20051029 US20060551490 20061020 CA20062565845 20061027
US20090590673 20091112

Probable Assignee: BASF SE

Assignee(s): (std): BASF CONSTR POLYMERS GMBH ; BASF CONSTRUCTION POLYMERS GMB ; FENCHL ANDREA ; HEIDLAS JURGEN ; PLANK JOHANN ; SPINDLER CHRISTIAN ; HEIDLAS JUERGEN

Assignee(s): BASF CONSTRUCTION POLYMERS GMBH ; BASF SE

Inventor(s): (std): FENCHL ANDREA ; HEIDLAS JUERGEN ; HEIDLAS JURGEN ; PLANK JOHANN ; SPINDLER CHRISTIAN

Inventor(s): JUERGEN HEIDLAS ; JOHANN PLANK ; CHRISTIAN SPINDLER ; ANDREA FENCHL

Agent(s): GOUDREAU GAGE DUBUC ; FULBRIGHT AND JAWORSKI LLP

Title: BLENDS OF ESTERS WITH ISOMERIZED OLEFINS AND OTHER HYDROCARBONS AS BASE OILS FOR INVERT EMULSION OIL MUDS

Abstract: Environmentally acceptable or regulatory compliant oil-based drilling fluids and methods of using same in drilling a wellbore in a subterranean formation are disclosed. The fluids are able to meet environmental regulations while maintaining acceptable oil mud rheology and overall oil mud performance. The fluids are comprised of an invert emulsion. The base or continuous phase of the emulsion is comprised of esters blended with isomerized olefins, and/or other hydrocarbons, such as paraffins, mineral oils or glyceride triesters or combinations thereof. Alternatively, the emulsion has as a base comprising isomerized olefins blended with other hydrocarbons such as linear alpha olefins, paraffins or naphthenes.

Classifications:

International (IPC 8-9): B01F17/00 B01F3/08 C09K8/00 C09K8/02 C09K8/03 C09K8/035 C09K8/08 C09K8/12 C09K8/18 C09K8/32 C09K8/34 C09K8/36 C09K8/58 C09K8/86 E21B21/00 E21B21/14 E21B33/13 E21B43/00 E21B43/16 E21B43/18 F16H48/08 F16H48/22 (Advanced/Invention);

B01F3/08 C09K8/04 C09K8/06 C09K8/32 E21B21/00 E21B43/00 (Advanced/Non-invention); C09K8/02 C09K8/035 C09K8/36 C09K8/58 C09K8/60 C09K8/86 E21B33/00 E21B43/00 (Core/Invention); E21B43/00 (Core/Non-invention)

International (IPC 1-7): B01F17/00 C09K7/00 C09K7/02 C09K7/06 C09K8/035 C09K8/36 C09K8/58 C09K8/86 C10M127/06 E21B33/13 E21B43/00

CPC: C09K8/32 C09K8/34 C09K8/36 Y10S507/925

European: C09K8/32 C09K8/34 C09K8/36

US: 166/244.1 166/282 166/283 166/285 166/305.1 166/305.100S 166/308.1 166/369 175/65 507/100 507/100P 507/103 507/103P 507/107 507/108 507/117 507/118 507/119 507/129 507/136 507/137 507/138 507/138P 507/139 507/140 507/140S 507/203 507/239 507/240 507/246 507/261 507/265 507/266 507/267 507/925 516/21 516/53

PatBase - W005026287_A1

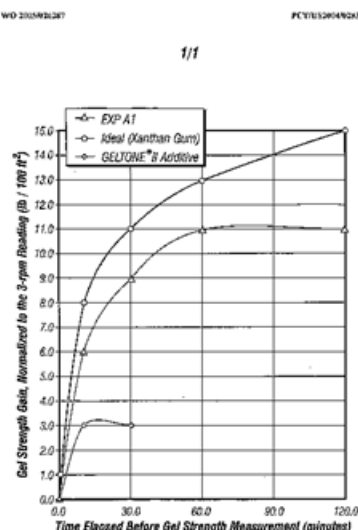


FIG. 1

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Publication number	Publication date	Application number	Application date
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AR052750 AA	20070404	AR2001P106111	20011228
AT472583 E	20100715	AT20000989596T	20001229
AU2001226085 AA	20020716	AU20010226085	20001229
AU2001226085 BB	20071101	AU20010226085	20001229
AU2001226086 AA	20020716	AU20010226086	20001229
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AU2003240112 AA	20040106	AU20030240112	20030618
AU2003283554 AA	20040603	AU20030283554	20031112
BRPI0017398 A	20040427	BR2000PI17398	20001229
BRPI0017398 B1	20101130	BR2000PI17398	20001229
BRPI0017399 A	20060301	BR2000PI17399	20001229
BRPI0017399 B1	20110503	BR2000PI17399	20001229
BRPI0211777 A	20040727	BR2002PI11777	20020708
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CA2433589 AA	20030627	CA20002433589	20001229
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CA2456208 AA	20040203	CA20022456208	20020708
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DE60044619 D1	20100812	DE20006044619	20001229
DE60048800 D1	20150115	DE20006048800	20001229
DE60348212 D1	20151217	DE20036048212	20030618
DK1346006 T3	20150223	DK20000989597T	20001229
DK1356010 T3	20101018	DK20000989596T	20001229
EP1346006 A1	20030924	EP20000989597	20001229
EP1346006 B1	20141203	EP20000989597	20001229
EP1356010 A1	20031029	EP20000989596	20001229
EP1356010 B1	20100630	EP20000989596	20001229
EP1417278 A1	20040512	EP20020749832	20020708
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TH57540 B	20170918	TH20011005281	20011226
TH58383 A	20030917	TH20011005280	20011226
TH58384 A	20030917	TH20011005281	20011226
US2003036484 AA	20030220	US20010929465	20010814
US2003064897 AA	20030403	US20020175272	20020619
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US2006073987 AA	20060406	US20000432787	20001229
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US7435706 BB	20081014	US20000432787	20001229
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US7534743 BB	20090519	US20060633703	20061205
US7547663 BB	20090616	US20060633704	20061205
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US7638466 BB	20091229	US20000432786	20001229
US7645723 BB	20100112	US20070893195	20070815
US7696131 BB	20100413	US20070825236	20070705
WO02053675 A1	20020711	WO2000US35609	20001229
WO02053676 A1	20020711	WO2000US35610	20001229
WO03016425 A1	20030227	WO2002US21444	20020708
WO04000969 A1	20031231	WO2003GB02617	20030618
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WO05026287 A1	20050324	WO2004US28399	20040901

Priority:

EP20000989596	20001229	EP20000989597	20001229	US20000432787	20001229
US20000432786	20001229	WO2000US35609	20001229	WO2000US35610	20001229
US20010929465	20010814	US20020175272	20020619	WO2002US21444	20020708
US20020292124	20021112	EP20030732726	20030618	WO2003GB02617	20030618
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US20060634008	20061205	US20060633703	20061205	US20060633704	20061205
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Probable Assignee: HALLIBURTON CO

Assignee(s): (std): BURROWS KIMBERLY ; BURROWS KIMBERLY J ; BURROWS LAWSON KIMBERLY ; CARBAJAL DAVID ; COGNIS DEUTSCHLAND GMBH ; COGNIS DEUTSCHLAND GMBH AND CO KG ; COGNIS IP MAN GMBH ; KIRSNER JEFF ; JAMISON DALE E ; KIRSNER JEFFREY P ; HALLIBURTON ENERGY SERV INC ; MILLER JEFF ; HALLIBURTON ENERGY SERVICE S I ; HALLIBURTON ENERGY SERVICES INC ; EMERY OLEOCHEMICALS GMBH ; HALLIBURTON CO ; SIEMS DON ; ROBB IAN ; MULLER HEINZ ; WAIN CHRISTOPHER PAUL ; MUELLER HEINZ ; WEST GARY C ; OYLER KENNETH W

Assignee(s): PIKE ROBERT W ; POBER KENNETH W ; HALLIBURTON ENERGY SERVICES INC HOUSTON ; HALLIBURTON ENERGY SERVICES INC DUNCAN ; COGNIS IP MANAGEMENT GMBH ; HALLIBURTON ENERGY SERVICES ; HALLIBURTON ENERGY SERVICE S INC ; COGNIS DEUTSCHLAND GMBH AND COKG

Inventor(s): (std): BURROWS KIMBERLY ; BURROWS LAWSON KIMBERLY ; CARBAJAL DAVID ; DAVID CARBAJAL ; KIMBERLY BURROWS ; KIRSNER JEFF ; KIRSNER JEFFREY P ; MILLER JEFF ; MUELLER HEINZ ; MULLER HEINZ ; PIKE ROBERT W ; POBER KENNETH W ; ROBB IAN ; ROBERT W PIKE ; SIEMS DON ; SIEMS DONALD R ; WEST GARY C ; OYLER KENNETH W ; KIMBERLY BURROWS LAWSON ; JEFF KIRSNER ; IAN ROBB ; DON SIEMS ; DALE E JAMISON ; BURROWS KIMBERLY J ; KIRSNER JEFFREY ; JAMISON DALE E

Inventor(s): JEFFREY P KIRSNER ; JAMISON DALE ; KENNETH W POBER ; BURROWS KIMBERLY KINGWOOD ; WEST GARY ; SIEMS DON HOUSTON ; KIRSNER JEFF HUMBLE ; CARBAJAL DAVID HOUSTON ; BURROWS LAWSON KIMBERLY KINGWOOD ; OYLER KENNETH ; HEINZ MULLER

Agent(s): CALLINANS ; FISHER ADAMS KELLY CALLINANS ; DAVIES COLLISON CAVE PTY LTD ; SIM AND MCBURNEY ; OGILVY RENAULT LLP SENCRL SRL ; CURTIS PHILIP ANTHONY ; KING LAWRENCE ; KAREN B TRIPP ATTORNEY AT LAW ; KAREN B TRIPP ; RODDY CRAIG W ; TRIPP KAREN B ; KAREN B ; CRAIG W ; TRIPP KAREN ; KAREN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM

PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU
ZA ZM ZW

Title: WELLBORE SERVICING METHODS AND COMPOSITIONS COMPRISING DEGRADABLE POLYMERS

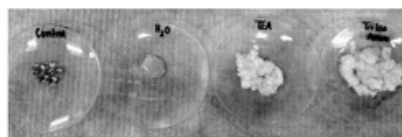
Abstract: A method of servicing a wellbore comprising providing a degradable polymer within a portion of a wellbore, a subterranean formation or both; preparing a wellbore servicing fluid comprising a degradation accelerator wherein the degradation accelerator comprises an alkanolamine, an oligomer of aziridine, a polymer of aziridine, a diamine, or combinations thereof; and placing the wellbore servicing fluid comprising a degradation accelerator into the wellbore, the subterranean formation or both wherein the degradation accelerator contacts the degradable polymer.

Classifications:

International (IPC 8-9): C04B40/06 C08F2/10 C08F4/40 C09K8/00 C09K8/035 C09K8/40 C09K8/42 C09K8/44 C09K8/467 C09K8/508 C09K8/524 C09K8/68 C09K8/74 C09K8/88 C9K8/035 C9K8/42 E21B33/13 E21B33/138 E21B37/06 E21B43/00 E21B43/16 E21B43/25 E21B43/26 E21B43/267 E21B43/27 (Advanced/Invention) **CPC:** E21B43/25 C09K8/00 C09K8/508 C09K2208/26 C08L67/00 C08L69/00 C09K8/03 C08G73/0206 C08L79/02 C04B40/0641 C09K8/467 C09K8/885 C09K8/40 C09K8/44 C09K8/035 C09K8/68 C09K8/74 E21B43/26 **US:** 1/1 166/300 507/131

PatBase - US2014116703 A8

Figure 1



Family:

Publication number	Publication date	Application number	Application date
AR093082 AA	20150520	AR2013P103810	20131021
AR097745 AA	20160413	AR2014P103527	20140924
AR098792 AA	20160615	AR2014P104712	20141217
AU2013335193 AA	20140501	AU20130335193	20130924
AU2014342957 AA	20150813	AU20140342957	20140825
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CA2889522 AA	20150424	CA20132889522	20130924
CA2889522 C	20180227	CA20132889522	20130924
CA2908429 AA	20150929	CA20142908429	20140825
CA2908429 C	20180619	CA20142908429	20140825
CA2931998 AA	20160527	CA20142931998	20141204
CA2931998 C	20171128	CA20142931998	20141204
EP2912138 A1	20150902	EP20130771740	20130924
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US2014116703 AA	20140501	US20120660740	20121025
US2014116704 AA	20140501	US20130065701	20131029
US2014138092 AA	20140522	US20140146821	20140103
US2016304773 AA	20161020	US20160195724	20160628
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US9410076 BB	20160809	US20130065701	20131029
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WO15102802 A1	20150709	WO2014US68551	20141204

Priority:

US20120660740 20121025 WO2013US61429 20130924 US20130065701 20131029
 US20140146821 20140103 WO2014US52546 20140825 WO2014US68551 20141204
 US20160195724 20160628

Probable Assignee: HALLIBURTON CO

Assignee(s): (std): HALLIBURTON CO ; HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC

Assignee(s): TODD BRAD ; REDDY B RAGHAVA ; SAINI RAJESH KUMAR ; OGLE JAMES WILLIAM ; ONTIVEROS ANDREA ; CORTEZ JANETTE

Inventor(s): (std): CORTEZ JANETTE ; OGLE JAMES WILLIAM ; ONTIVEROS ANDREA ; REDDY B RAGHAVA ; SAINI RAJESH KUMAR ; TODD BRAD

Inventor(s): REDDY B

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PHILLIPS ORMONDE FITZPATRICK; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; PARLEE MCLAWS LLP; HOFFMANN EITLE; MCDERMOTT WILL AND EMERY LLP; CRAIG; CRAIG W; BAKER BOTTS LLP; CONLEY ROSE PC ET AL; MORICO PAUL R; KAISER IONA N ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: HYDROPHOBICALLY MODIFIED FLUID LOSS ADDITIVES AND VISCOSIFIER PRODUCTS

Abstract: A wellbore fluid that includes an oleaginous continuous phase; a non-oleaginous phase; and a polymeric additive formed by reaction of at least one lipophilic epoxy modifier and at least one epoxide-reactive agent, wherein the at least one epoxide-reactive agent comprises at least one selected from lignins, tannins, biopolymers, starches, carboxy methyl cellulose, polyacrylates, polyacrylamides, and synthetic polymers is disclosed.

Classifications:

International (IPC 8-9): C09K8/00 C09K8/035 C09K8/24 C09K8/32 C09K8/36 C09K8/60 E21B21/00

E21B21/14 (Advanced/Invention);

E21B43/00 (Advanced/Non-invention);

C09K8/00 C09K8/02 C09K8/60 E21B21/00 (Core/Invention);

E21B43/00 (Core/Non-invention)

International (IPC 1-7): C09K7/6

CPC: C09K8/32 C09K8/36

European: C09K8/32 C09K8/36

US: 507/106 507/117 507/219

Family:

Publication number	Publication date	Application number	Application date
AR061338 AA	20080820	AR2007P102543	20070611
AU2007350922 AA	20081016	AU20070350922	20070611
AU2007350922 BB	20110203	AU20070350922	20070611
BRPI0712146 A2	20120124	BR2007PI12146	20070611
CA2654591 AA	20081205	CA20072654591	20070611
CA2654591 C	20111206	CA20072654591	20070611
EA016095 B1	20120228	EA20080070621	20070611
EA200870621 A1	20091030	EA20080070621	20070611
EP2027227 A1	20090225	EP20070870160	20070611
EP2027227 A4	20100714	EP20070870160	20070611
MX2008015575 A1	20090306	MX20080015575	20070611
NO20090112 A	20090223	NO20090000112	20090109
NO20090112 L	20090223	NO20090000112	20090109
US2007287640 AA	20071213	US20070760543	20070608
US7786052 BB	20100831	US20070760543	20070608
WO08123888 A1	20081016	WO2007US70860	20070611

Priority:

US20060804354P 20060609 US20070760543 20070608 WO2007US70860 20070611

Probable Assignee: M I LLC

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Assignee(s): M I L L C ; M I LLC

Inventor(s): (std): BALLARD DAVID ANTONY ; BALLARD DAVID ANTHONY

Inventor(s): DAVID ANTHONY BALLARD ; DAVID ANTONY BALLARD

Agent(s): DARK IP; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; SMART AND BIGGAR; BROCHARD PASCALE ET AL; OSHA LIANG/MI; OSHA LIANG MI; OSHA • LIANG LLP; OSHA LIANG LLP; BERGMAN JEFFREY S

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: FLUID COMPOSITION FOR WELLBORE AND PIPELINE CLEANOUT AND METHOD OF USE THEREOF

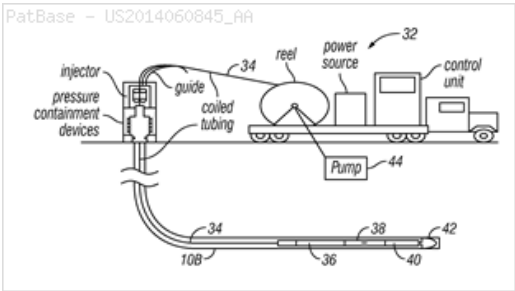
Abstract: A fluid composition for cleanout of wellbores and pipe systems includes an effective amount of an amphiphilic chemical combined with an effective amount of a friction reducer in an aqueous solution of a base liquid. A remainder of the composition includes the base liquid.

Classifications:

International (IPC 8-9): C09K8/52 E21B37/06 (Advanced/Invention)

CPC: C09K8/52 E21B37/06

US: 166/305.1 166/312 507/219 507/225 507/261



Family:

Publication number	Publication date	Application number	Application date
US2014060845 AA	20140306	US20120604719	20120906
US2014374112 AA	20141225	US20140479387	20140908
US8940666 BB	20150127	US20120604719	20120906
US9562184 BB	20170207	US20140479387	20140908

Priority:

US20120604719 20120906 US20140479387 20140908

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Assignee(s): (std): BEAR CREEK SERVICES LLC ; HUTCHINGS NATHAN R ; SIMPSON STEWART A

Inventor(s): (std): HUTCHINGS NATHAN R ; SIMPSON STEWART A

Agent(s): RICHARD A

Title: Method of treatment of drilled-in underground formation saturated with hydrocarbon gas

Abstract: The method consists in that the formation pressure is measured, and a solvent is fed through a well into the formation. Then a hydrophilizing solution is fed through the same well into the same formation. The supply of the solvent and hydrophilizing solution is effected while keeping the bottom hole pressure approximately equal to the formation pressure.

Classifications:

International (IPC 8-9): C07C31/125 C07C49/04 C09K8/524 E21B43/25 E21B43/27 E21B49/00

E21B49/08 (Advanced/Invention);

C07C31/00 C07C49/00 C09K8/52 E21B43/25 E21B49/00 (Core/Invention)

International (IPC 1-7): C07C31/125 C07C49/04 C09K7/06 E21B37/06 E21B43/22 E21B43/25 E21B43/27 E21B47/06

CPC: E21B49/087 C09K8/524 E21B43/25 E21B49/008

European: C09K8/524 E21B43/25 E21B49/00P E21B49/08 E21B49/08T

US: 166/252 166/252.1 166/304

Family:

Publication number	Publication date	Application number	Application date
AT284989 A	19910515	AT19890002849	19891214
AT393715 B	19911210	AT19890002849	19891214
CA2007324 AA	19910708	CA19902007324	19900108
FR2656649 A1	19910705	FR19890017497	19891229
GB2239277 A1	19910626	GB19890028704	19891220
GB8928704 A0	19900228	GB19890028704	19891220
US5027897 A	19910702	US19900481290	19900220

Priority:

AT19890002849 19891214	GB19890028704 19891220	FR19890017497 19891229
CA19902007324 19900108	US19900481290 19900220	

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Agent(s): MARKS AND CLERK

Title: ENVIRONMENTALLY FRIENDLY BASE FLUIDS AND METHODS FOR MAKING AND USING SAME

Abstract: Non-toxic, biodegradable base fluids are disclosed for use in making downhole fluids, where the base fluids include blends of paraffins, olefins, naphthenes, esters, and oxygenates, having low viscosities, having a pale-yellow color, having a flashpoint of >80 degrees centigrade (175 degrees Fahrenheit) and have a pour point of about 19 degrees Fahrenheit Methods for making and using fluids include the base fluids of this invention are also disclosed

Classifications:

International (IPC 8-9): C09K8/02 C09K8/035 C09K8/34 C09K8/38 C09K8/60 C09K8/62 C09K8/64 C09K8/68 C09K8/70 C09K8/82 E21B21/14 E21B37/06 E21B43/22 E21B43/26 E21B49/08 E21B7/00 (Advanced/Invention)

CPC: C09K8/34 C09K8/64 G05B2219/31121 G05B2219/33192 E21B43/26 C09K8/703 E21B7/00 E21B21/14 C09K8/38

European: C09K8/34 C09K8/38 C09K8/64 S05B219/31121 S05B219/33192

US: 1/1 166/308.2 175/65 507/103 507/103P 507/203 507/203S

Family:

Publication number	Publication date	Application number	Application date
BRP11105103 A2	20130122	BR2011PI05103	20110919
CA2752264 AA	20120317	CA20112752264	20110914
CA2752264 C	20140909	CA20112752264	20110914
GB201115587 A0	20111026	GB20110015587	20110909
GB2483773 A1	20120321	GB20110015587	20110909
GB2483773 B2	20130313	GB20110015587	20110909
GC3425 A	20150324	GC2011P019280	20110914
MX2011009691 A1	20120620	MX20110009691	20110914
MX344020 B	20161201	MX20110009691	20110914
RU2011138212 A	20130327	RU20110138212	20110916
RU2503704 C2	20140110	RU20110138212	20110916
US2012071367 AA	20120322	US20100885128	20100917
US2015377002 AA	20151231	US20150789899	20150701
US9085724 BB	20150721	US20100885128	20100917

Priority:

US20100885128 20100917 CA20112752264 20110914 US20150789899 20150701

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Agent(s): MARKS AND CLERK; SAUD M A SHAWWAF LAW OFFICE; ROBERT W