

Search history

Search 1: cement* and well and drill* and casing and tool (Results 13334)
Search 2: IC=(e21b33/13 and e21b33/138 and e21b34/06) (Results 28)
Search 3: 1 and 2 (Results 16)

1) Family number: 28166432 (US2002007949 AA)

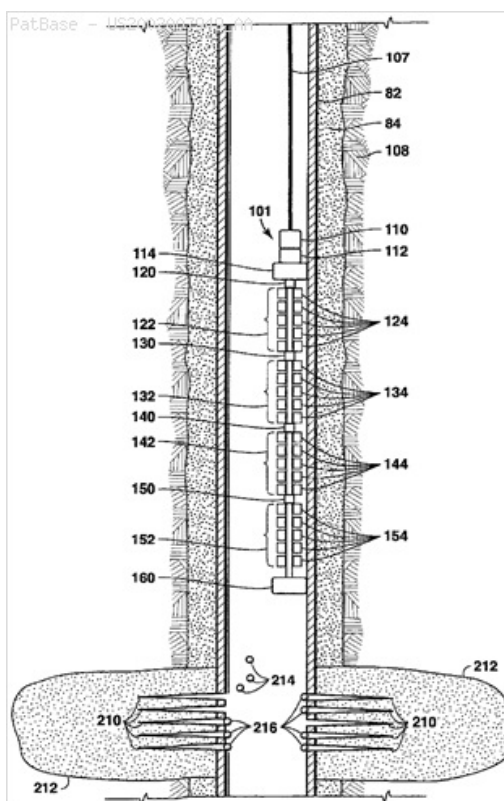
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Title: METHOD FOR TREATING MULTIPLE WELLBORE INTERVALS

Abstract: This invention provides a method for treating multiple intervals in a wellbore by perforating at least one interval then treating and isolating the perforated interval(s) without removing the perforating device from the wellbore during the treatment or isolation. The invention can be applied to hydraulic fracturing with or without proppant materials as well as to chemical stimulation treatments.

Classifications:

International (IPC 8-9): E21B33/124 E21B33/138 E21B34/06
E21B34/16 E21B43/04 E21B43/11 E21B43/116 E21B43/16
E21B43/17 E21B43/26 E21B43/27 G01V3/00
International (IPC 1-7): E21B33/13 E21B34/06 E21B34/16
E21B4/304 E21B4/317 E21B4/326 E21B43/04 E21B43/14 E21B43/16
E21B43/17 E21B43/26 E21B43/267
CPC: E21B33/124 E21B33/138 E21B43/116 E21B43/26 E21B43/261
US: 166/278 166/280 166/284 166/284S 166/297 166/297S
166/305.1 166/305.100S 166/308 166/308.1 166/308.100P



Family:

Publication number	Publication date	Application number	Application date
AR029844 AA	20030716	AR2001P103424	20010717
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EA200300159 A1	20030626	EA20030000159	20010716
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EP1305501 A1	20030502	EP20010954698	20010716

EP1305501 A4	20050406	EP20010954698	20010716
EP1305501 B1	20060823	EP20010954698	20010716
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NO324164 B1	20070903	NO20030000241	20030117
OA12336 A	20060515	OA20031000007	20010716
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WO206629 A1	20020124	WO2001US22284	20010716

Priority:

US20000219229P 20000718 US20000219229 20000718 US20010891673 20010625
WO2001US22284 20010716

Probable Assignee: EXXON MOBIL CORP

Assignee(s): (std): EXXON MOBIL UPSTREAM RES CO ; EXXONMOBIL UPSTREAM RES COMPAN ; EXXONMOBIL UPSTREAM RESEARCH COMPANY ; SOREM WILLIAM A ; TOLMAN RANDY C

Assignee(s): EL RABAA A M ; EL RABAA ABDEL WADOOD M ; EXXON MOBIL CORP ; EXXON MOBIL UPSTREAM RESEARCH CO ; NYGAARD KRIS J

Inventor(s): (std): EL RABAA A M ; EL RABAA ABDEL WADOOD M ; EL RABAA M ; EL RABAA RANDY C TOLMAN KRIS J ; NEGAARD KRIS J ; NYGAARD J ; NYGAARD KRIS J ; SOREM A ; SOREM WILLIAM A ; TOLMAN C ; TOLMAN RANDY C

Inventor(s): A M EL RABAA ; ABDEL WADOOD M EL RABAA ; EL RABAA A ; KRIS J NYGAARD ; RANDY C TOLMAN ; RANDY C TOLMAN KRIS J NYGAARD A M EL RABAA ; SOREM ; TOLMAN RANDY C NYGAARD KRIS J EL RABAA A M SOREM WILLIAM A ; WILLIAM A ; WILLIAM A SOREM

Agent(s): BORDEN LADNER GERVAIS LLP; GRIFFITH HACK; SAUD M A SHAWWAF LAW OFFICE; SILVA Y CIA; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS

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 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

2) Family number: 13053069 (EP0962624 A1)

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Title: DEVICE FOR MAKING OR REGENERATING WATER WELLS

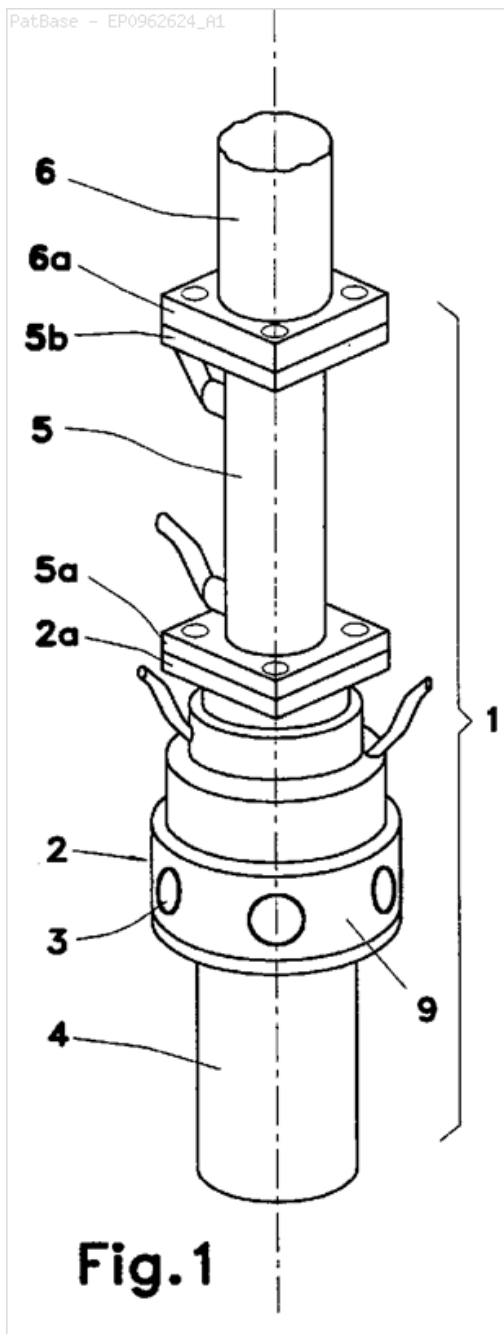
Abstract: A device for making or regenerating a water well, said well comprising a casing (7) installed inside a borehole in the ground. The device comprises a operating head (2) with angularly equispaced radial seats (3) in which respective punch tools for forming holes, windows or shaped cuts in the wall of the casing are slidably housed. The head is operated from the mouth of the well to a position at a preestablished depth inside the casing so that the radial seats are orthogonal to the wall of the casing. Operating means (5) are integral with the head to axially move the tools inside the respective radial seats to and from the wall of the casing (7).

Classifications:

International (IPC 8-9): E21B33/13 E21B33/138 E21B33/14
E21B34/00 E21B34/06 E21B37/00 E21B43/11 E21B43/112

International (IPC 1-7): E21B33/138 E21B33/14 E21B34/06
E21B37/00 E21B43/112

CPC: E21B33/138 E21B33/14 E21B34/06 E21B37/00 E21B43/112

**Family:**

Publication number	Publication date	Application number	Application date
EP0962624 A1	19991208	EP19980830348	19980604

Priority:

EP19980830348 19980604

Probable Assignee: IDROPALM S A S DI GATTUSO C AND**Assignee(s):** (std): IDROPALM S A S DI GATTUSO C and**Assignee(s):** IDROPALM S A S DI GATTUSO C AND CO**Inventor(s):** (std): PALAMARA DOMENICO ; PALAMARA FRANCESCO ; PALAMARA SABINA**Designated states:** ES FR GR IT PT**3) Family number: 28272160** (US2002174985 AA)

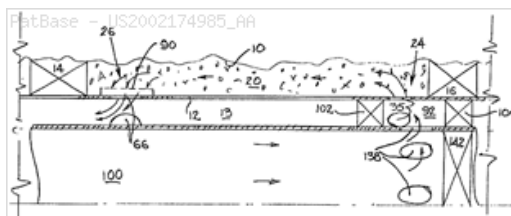
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Title: POSITIVE INDICATION SYSTEM FOR WELL ANNULUS CEMENT DISPLACEMENT

Abstract: An annulus collar around a well production tube is cast in cement by a procedure that axially delineates the collar between two expandable well packers in the production tube string. Between the packers are a pair of cementing valves. An ingress valve is most proximate to the lower packer whereas an egress valve is most proximate to the upper packer. Additionally, the egress valve is modified to enclose the egress valve with a screen having mesh or slot openings that correspond with a screen plugging material that is mixed with the cement.

Classifications:**International (IPC 8-9):** E21B33/138 E21B33/14 E21B34/06 E21B34/14 E21B43/10**International (IPC 1-7):** E21B3/313 E21B3/314 E21B33/124 E21B33/13 E21B33/138 E21B33/14 E21B33/16 E21B4/304 E21B43/04 E21B43/10

CPC: E21B33/14 E21B34/063 E21B34/14 E21B43/10
US: 166/177.4 166/177.400S 166/222 166/222S 166/250.14
 166/253.1 166/285



Family:

Publication number	Publication date	Application number	Application date
AU200235648 A1	20021031	AU20020035648	20020424
AU785191 B2	20061026	AU20020035648	20020424
AU200235648 A5	20021031	AU20020035648D	20020424
CA2383444 AA	20021024	CA20022383444	20020424
CA2383444 C	20051129	CA20022383444	20020424
GB200209298 A0	20020605	GB20020009298	20020424
GB2374888 A1	20021030	GB20020009298	20020424
GB2374888 B2	20050824	GB20020009298	20020424
NO20021927 A	20021025	NO20020001927	20020424
NO20021927 A0	20020424	NO20020001927	20020424
NO20021927 L	20021025	NO20020001927	20020424
NO322865 B1	20061218	NO20020001927	20020424
US2002174985 AA	20021128	US20020128473	20020423
US6668923 BB	20031230	US20020128473	20020423

Priority:

US20010286100P 20010424 US20020128473 20020423 CA20022383444 20020424

Probable Assignee: BAKER HUGHES INC

Assignee(s): (std): BAKER HUGHES INC

Assignee(s): BAKER HUGHES INCORPORATED ; JOHNSON JOHN J ; VINCENT RAY

Inventor(s): (std): JOHNSON JOHN J ; JOHNSON JOHN JOSEPH ; VINCENT RAY ; VINCENT RAY P

Inventor(s): JOHN J JOHNSON ; JOHN JOSEPH JOHNSON ; RAY P VINCENT ; RAY VINCENT

Agent(s): FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; MADAN MOSSMAN AND SRIRAM PC; SIM AND MCBURNEY

4) Family number: 33367268 (US2006207763 AA)

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Title: CEMENTED OPEN HOLE SELECTIVE FRACING SYSTEM

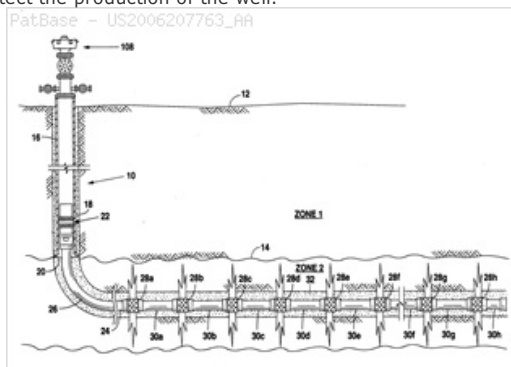
Abstract: A cemented open hole selective fracing system is shown. In the producing zone, an open hole is drilled therein and a production tubing is cemented in place. At preselected locations along the production tubing, the production tubing will have sliding valves located there along. The sliding valves may be selectively opened by a shifting tool, and the cement around the sliding valve dissolved. Thereafter, the formation may be fraced immediately adjacent the opened sliding valve. By selectively opening different combinations of sliding valves, fracing can occur in stages with more fracing pressure and more fracing fluid being delivered deeper into the formation. Just as the sliding valves can be selectively opened with a switching tool, the sliding valves can also be selectively closed to protect the production of the well.

Classifications:

International (IPC 8-9): E21B21/10 E21B33/12 E21B33/13 E21B33/138 E21B34/00 E21B34/06 E21B34/10 E21B34/14 E21B43/00 E21B43/11 E21B43/114 E21B43/12 E21B43/14 E21B43/25 E21B43/26

CPC: E21B2034/002 E21B2034/007 E21B21/103 E21B2200/06 E21B34/14 E21B43/00 E21B43/11 E21B43/114 E21B43/12 E21B43/14 E21B43/26 E21B43/261 E21B33/13

US: 1/1 166/120 166/120S 166/177.5 166/177.500S 166/281 166/285 166/308.1 166/308.100P 166/308.100S 166/313 166/318 166/318S 166/369 166/373 166/373S 166/387 166/50 166/50S



Family:

Publication number	Publication date	Application number	Application date
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CA2539422 C	20090811	CA20062539422	20060313
CA2579072 AA	20070822	CA20072579072	20070219
CA2579072 C	20090714	CA20072579072	20070219
US2006207763 AA	20060921	US20050079950	20050315
US7267172 BB	20070911	US20050079950	20050315
US2006207765 AA	20060921	US20060359059	20060222
US7377322 BB	20080527	US20060359059	20060222
US2008302538 AA	20081211	US20070760728	20070608
US7926571 BB	20110419	US20070760728	20070608
US2011203799 AA	20110825	US20110089165	20110418
US2015107837 AA	20150423	US20140480470	20140908
US9624761 BB	20170418	US20140480470	20140908
US9765607 BB	20170919	US20140480470	20140908

WO06101774 A2	20060928	WO2006US08624	20060310
WO06101774 A3	20071206	WO2006US08624	20060310

Priority:

US20050079950 20050315 US20060359059 20060222 CA20062539422 20060313
CA20072579072 20070219 US20070760728 20070608 US20110089165 20110418
US20140480470 20140908

Probable Assignee: PEAK COMPLETIONS TECHNOLOGIES INC

Assignee(s): (std): HOFMAN RAYMOND ; HOFMAN RAYMOND A ; PEAK COMPLETION TECH ; PEAK COMPLETION TECH INC ; PEAK COMPLETION TECHNOLOGIES I ; PEAK COMPLETION TECHNOLOGIES INC

Assignee(s): CENTURY BANK ; HOFMAN RAY A ; PEAK COMPLETION TECHNOLOGIES ; PEAK COMPLETIONS TECHNOLOGIES INC

Inventor(s): (std): HOFMAN RAY A ; HOFMAN RAYMOND ; HOFMAN RAYMOND A

Agent(s): FINLAYSON AND SINGLEHURST; GUNN AND LEE PC; LEE TED D; MICHELLE L EVANS GUNN AND LEE PC; TED D; TED D LEE

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 KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

5) Family number: 63912223 (US2016319628 AA)

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Title: FLOW CONTROL IN SUBTERRANEAN WELLS

Abstract: A method of controlling flow in a well can include a device introduced into the well being conveyed by flow in the well, and the device having a plurality of fibers extending outwardly from a body. A well system can include a flow conveyed device conveyed through a tubular string by flow in the tubular string, and the flow conveyed device including a body with a plurality of fibers extending outwardly from the body. A flow conveyed device for use in a well can include a degradable body, and a plurality of fibers joined to the body, each of the fibers having a lateral dimension that is substantially smaller than a size of the body.

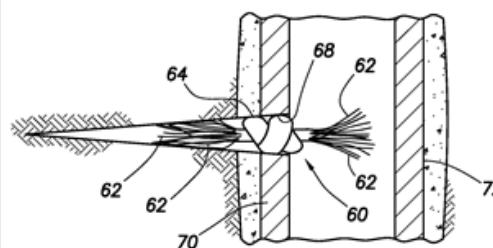
Classifications:

International (IPC 8-9): C08L29/04 C08L31/04 C08L33/02 C09K8/44 C09K8/50 C09K8/516 C09K8/62 C09K8/68 E21B17/00 E21B17/20 E21B23/00 E21B23/04 E21B23/06 E21B23/08 E21B27/02 E21B27/04 E21B29/02 E21B33/068 E21B33/12 E21B33/13 E21B33/134 E21B33/138 E21B33/14 E21B34/00 E21B34/06 E21B43/04 E21B43/11 E21B43/114 E21B43/12 E21B43/14 E21B43/25 E21B43/26 E21B43/263 E21B43/267 E21B43/27

CPC: C09K2208/08 E21B17/20 E21B33/13 E21B33/138 E21B43/11 E21B43/12 E21B43/14 E21B43/26 E21B43/261 E21B43/263 C09K8/62 C09K8/68 E21B2034/007 C09K8/516 E21B34/06 E21B43/114 E21B43/267 E21B27/02 E21B27/04 E21B29/02 E21B23/08 C09K8/508 E21B41/00

US: 1/1 166/285 166/297 166/376 166/386

PatBase - US2016319628_AA



Family:

Publication number	Publication date	Application number	Application date
AU2016202533 AA	20161117	AU20160202533	20160421
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WO17070105 A1	20170427	WO2016US57514	20161018

Priority:

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US20160296342	20161018	US20160347535	20161109	US20160390941	20161227
US20160390976	20161227	US20160391014	20161227	US20170609671	20170531
US20170622016	20170613				

Probable Assignee: THRU TUBING SOLUTIONS INC

Assignee(s): (std): THRU TUBING SOLUTIONS INC

Assignee(s): FERGUSON ANDREW ; FERGUSON ANDREW M ; FUNKHOUSER GARY P ; ROBERTSON JENNA N ; SCHULTZ ROGER L ; WATSON BROCK W

Inventor(s): (std): FERGUSON ANDREW ; FERGUSON ANDREW M ; FUNKHOUSER GARY P ; KLIEWER GREGORY A ; ROBERTSON JENNA N ; SCHULTZ ROGER L ; WATSON BROCK W

Agent(s): FETHERSTONHAUGH AND CO; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; RNB IP PTY LTD; SMITH IP SERVICES PC; SMITH MARLIN R; SPRUSON AND FERGUSON

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 JP KE KG KM KN KP KR KW 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

6) Family number: 57608362 (US2017226819 AA)

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Title: DOWNHOLE WELL TOOLS AND METHODS OF USING SUCH

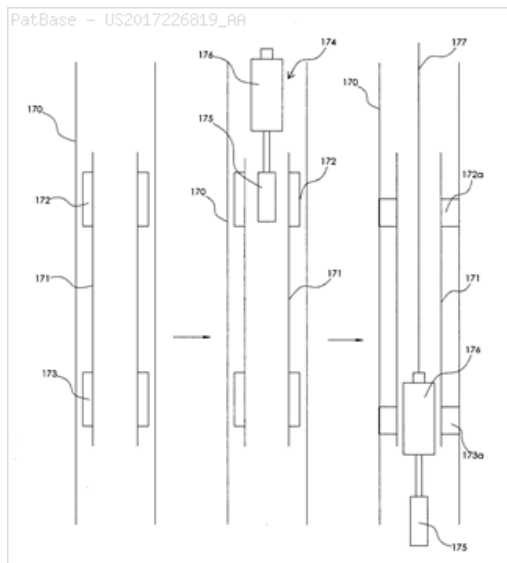
Abstract: A downhole tool for use in a gas or oil well is provided. The tool comprising a length of tubing having at least one annular sealing means mounted on the outer surface thereof. The annular sealing means, which are formed from a eutectic/bismuth based alloy, serve to secure the downhole tool in position within an oil or gas well during so that the tool can carry out its function.

Classifications:

International (ipc 8-9): E21B17/042 E21B19/00 E21B23/06 E21B29/10 E21B31/00 E21B33/10 E21B33/12 E21B33/122 E21B33/124 E21B33/13 E21B33/138 E21B33/14 E21B34/06 E21B36/00 E21B41/00 E21B43/10

CPC: E21B17/042 E21B19/00 E21B23/06 E21B29/10 E21B31/007 E21B33/1208 E21B33/1212 E21B33/122 E21B33/124 E21B33/13 E21B33/14 E21B36/008 E21B41/00 E21B43/10

US: 1/1 166/250.01 166/277 166/288



Family:

Publication number	Publication date	Application number	Application date
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CA2987496 C	20200811	CA20152987496	20150814
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Priority:

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Probable Assignee: BISN TEC LTD

Assignee(s): (std): BISN OIL TOOLS LTD ; BISN TEC LTD ; BISN TECH LTD

Assignee(s): BISN TEC LTD RUNCORN ; BISN TEC LTD WARRINGTON ; CARRAGHER PAUL

Inventor(s): (std): CARRAGHER PAUL

Inventor(s): PAUL CARRAGHER

Agent(s): BELVIS GLEN P; BELVIS LAW LLC; BERESKIN AND PARR LLP SENCRL SRL; FORRESTERS; MURPHY DAVID JOHN

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

7) Family number: 68171519 (US2019284899 AA)

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Title: TOP-DOWN SQUEEZE SYSTEM AND METHOD

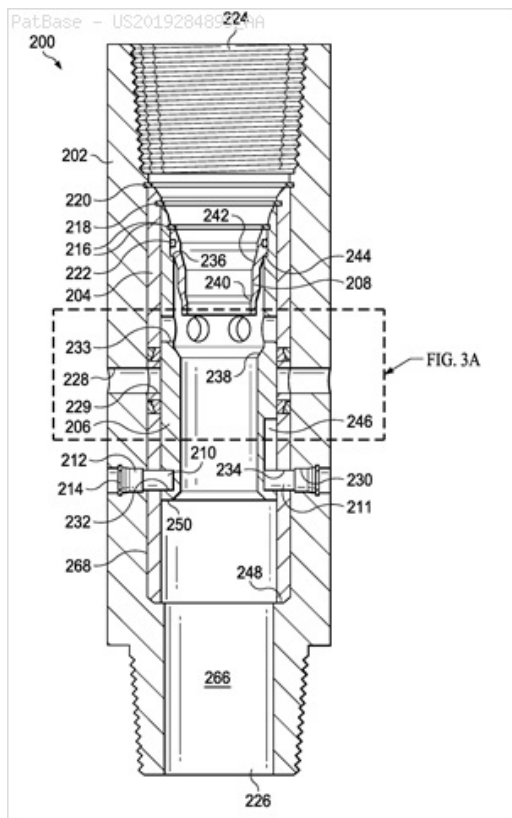
Abstract: A diverter assembly includes a tubing segment and one or more sleeve members disposed therein. The tubing segment includes apertures that are selectively alignable with apertures of an inner sleeve disposed within the tubing segment. The tubing segment includes a series of stops (e.g., shear pins) to arrest movement of the first sleeve within the bore of the tubing segment. A first one or more ball seats are included in the first sleeve such that deployment of a first ball and pressurization of the well above the first ball causes a first set of shear pins to fail, thereby allowing the first sleeve to slide downhole to cause apertures of the sleeve to align with apertures of the tubing segment, thereby causing fluid to flow to an annulus between the tubing segment and wellbore wall.

Classifications:

International (IPC 8-9): E21B33/13 E21B33/138 E21B33/14 E21B34/06 E21B34/14

International (IPC 1-7): E21B33/13 E21B33/138 E21B34/06

CPC: E21B2200/06 E21B33/14 E21B33/143 E21B34/14



Family:

Publication number	Publication date	Application number	Application date
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Priority:

WO2016US41257 20160707 US20160301698 20160707

Probable Assignee: HALLIBURTON CO

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

Assignee(s): GRAY MATTHEW RYAN ; JOHNSON JAMES TODD ; JOHNSON MICHAEL RICK ; MOELLER DANIEL KEITH ; MORGAN PHILLIP MICHAEL ; STROHLA NICHOLAS LEE ; TILLEY DAVID JON

Inventor(s): (std): DANIEL KEITH MOELLER ; DAVID JON TILLEY ; GRAY MATTHEW ; GRAY MATTHEW RYAN ; JAMES TODD JOHNSON ; JOHNSON JAMES ; JOHNSON JAMES TODD ; JOHNSON MICHAEL ; JOHNSON MICHAEL RICK ; MATTHEW RYAN GRAY ; MICHAEL RICK JOHNSON ; MOELLER DANIEL ; MOELLER DANIEL KEITH ; MORGAN PHILLIP ; MORGAN PHILLIP MICHAEL ; NICHOLAS LEE STROHLA ; PHILLIP MICHAEL MORGAN ; STROHLA NICHOLAS ; STROHLA NICHOLAS LEE ; STROHLA NICHOLAS LEE LEE ; TILLEY DAVID ; TILLEY DAVID JON

Agent(s): BENNETT ADRIAN ROBERT J; HILTON ROBERT ET AL; MCGUIREWOODS LLP; PARLEE MCLAWS LLP; PHILLIPS ORMONDE FITZPATRICK

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

8) Family number: 65965689 (US2017159397 AA)

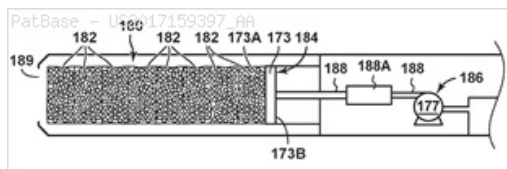
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Title: DOWNHOLE DEVICES FOR PROVIDING SEALING COMPONENTS WITHIN A WELLBORE, WELLS THAT INCLUDE SUCH DOWNHOLE DEVICES, AND METHODS OF UTILIZING THE SAME

Abstract: Downhole devices, wells that include the downhole devices, and methods of utilizing the same are disclosed herein. The downhole devices include a core; a sealing component holder positioned within the core including an opening to an external surface of the core; a plurality of sealing components positioned within the sealing component holder; a metering device; and a cover positioned over the opening. The metering device is constructed and arranged to displace an internal volume of the sealing component holder and discharge through the opening a portion of the plurality of sealing components contained within the sealing component holder. The cover is constructed and arranged to allow the portion of the sealing components to exit the opening upon displacement of the internal volume of the sealing component holder.

Classifications:

International (IPC 8-9): E21B17/10 E21B23/00 E21B23/04 E21B27/02 E21B28/00 E21B29/02 E21B29/08 E21B33/12 E21B33/13 E21B33/134 E21B33/138 E21B34/00 E21B34/06 E21B34/08 E21B34/10 E21B34/14 E21B41/00 E21B41/02 E21B43/114 E21B43/116 E21B43/119 E21B43/12 E21B43/14 E21B43/25 E21B43/26 E21B43/263 E21B43/267 E21B47/06 E21B47/09 F42B3/00 F42B3/22 F42D1/04 F42D1/045 F42D1/06 F42D1/22
CPC: E21B28/00 E21B33/138 E21B34/063 E21B41/00 E21B43/261 E21B43/12 F42B3/00 F42B3/22 F42D1/045 F42D1/22 E21B2034/007 E21B23/04 E21B29/08 E21B34/14 E21B41/0078 E21B43/114 E21B43/14 E21B43/25 E21B43/26 E21B43/263 E21B43/267 E21B34/08 E21B33/1208 E21B23/00 E21B33/134 E21B43/116 E21B43/119 E21B47/09
US: 1/1 166/243 166/253.1 166/255.1 166/298 166/299 166/305.1



Family:

Publication number	Publication date	Application number	Application date
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AR106890 AA	20180228	AR2016P103679	20161201
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WO17189200 A1	20171102	WO2017US26127	20170405

Priority:

US20150262034P 20151202	US20150262036P 20151202	US20150263069P 20151204
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WO2016US64474 20161201	US20160367036 20161201	US20170479834 20170405

Probable Assignee: EXXON MOBIL CORP

Assignee(s): (std): EXXON MOBIL CORP ; EXXONMOBIL UPSTREAM RES CO ; HALL TIMOTHY J ; KINN TIMOTHY F ; LONNES STEVE ; MORROW TIMOTHY I ; SPIECKER MATTHEW P ; SPIECKER P MATTHEW ; TOLMAN RANDY C

Assignee(s): EXXONMOBIL UPSTREAM RESEARCH CO ; SPIECKER P

Inventor(s): (std): HALL TIMOTHY J ; KINN TIMOTHY F ; LONNES STEVE ; MORROW TIMOTHY I ; SPIECKER MATTHEW P ; SPIECKER P ; SPIECKER P MATTHEW ; TOLMAN RANDY C

Agent(s): BAKUN ESTELLE C ET AL; BORDEN LADNER GERVAIS LLP; EXXONMOBIL UPSTREAM RESEARCH CO LAW DEPARTMENT; HOLTHUS LISA K ET AL; JAMES RICK F 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 DJ DK DM DO DZ 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 KH KM KN KP KR KW 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

9) Family number: 42867973 (US2010126729 AA)

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Title: SYSTEMS AND METHODS FOR OPERATING A PLURALITY OF WELLS THROUGH A SINGLE BORE

Abstract: Systems and methods usable to operate on a plurality of wells through a single main bore are disclosed herein. One or more chamber junctions are provided in fluid communication with one or more conduits within the single main bore. Each chamber junction includes a first orifice communicating with the surface through the main bore, and one or more additional orifices in fluid communication with individual wells of the plurality of wells. Through the chamber junctions, each of the wells can be individually or simultaneously accessed. A bore selection tool having an upper opening and at least one lower opening can be inserted into the chamber junction such that the one or more lower openings align with orifices in the chamber junction, enabling selected individual or multiple wells to be accessed through the bore selection tool while other wells are isolated from the chamber junction.

Classifications:

International (IPC 8-9): B02C13/18 B02C13/24 B65G5/00 E21B17/00 E21B17/01 E21B17/10 E21B17/18 E21B19/00 E21B21/00 E21B21/10 E21B21/12 E21B23/12 E21B23/14 E21B29/00 E21B29/06 E21B29/10 E21B33/00 E21B33/047 E21B33/068 E21B33/10 E21B33/12 E21B33/13 E21B33/138 E21B33/16 E21B34/06 E21B34/14 E21B37/00 E21B41/00 E21B43/00 E21B43/10 E21B43/12

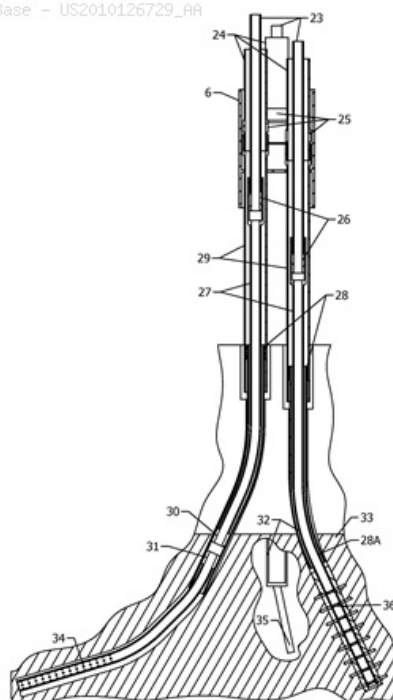
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F16L1/00

International (IPC 1-7): E21B33/13 E21B43/14

CPC: E21B33/138 E21B23/12 E21B41/0035 E21B43/00 E21B43/14
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E21B43/16 E21B7/00 E21B7/061

US: 1/1 166/207 166/242.1 166/242.100S 166/242.2 166/250.01
166/285 166/292 166/298 166/298S 166/305.1 166/311 166/313
166/316 166/373 166/379 166/384 166/387 166/387S 166/50
166/52 166/53 166/54.1 166/54.100S 166/55.8 166/55.800S 166/67
166/90.1 166/90.100S 175/315 175/320 175/320S 175/67 175/67S
175/72 175/72S 30/103 405/53 405/53P 405/55 405/59

PatBase - US2010126729_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: TUNGET, BRUCE A.

Assignee(s): (std): ARNOLD TUNGET BRUCE ; BRUCE A TUNGET ; BRUCE TUNGET ; TANDZHET BRJUS EH ; TANDZHET BRJUS EHRNOL D ; TANDZHET BRYUS E ; TUNGET BRUCE ; TUNGET BRUCE A ; TUNGET BRUCE ARNOLD

Assignee(s): BRUCE ARNOLD TUNGET

Inventor(s): (std): ARNOLD TUNGET BRUCE ; BRUCE A TUNGET ; TANDZHET BRJUS EH ; TANDZHET BRJUS EHRNOL D ; TANDZHET BRYUS E ; TUNGET BRUCE ; TUNGET BRUCE A ; TUNGET BRUCE ARNOLD

Inventor(s): BRUCE ARNOLD TUNGET ; TUNGET BRUCE A WESTHILL

Agent(s): BARKER BRETTELL LLP; CANZLER AND BERGMEIER PATENTANWALTE; JOHNSON YVONNE CATHERINE; MATTHEWS FIRM; MATTIS JACOB; MATTIS JACOB S; MCCUTCHEON TERRY L; NORTON ROSE CANADA SENCRL SRL LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; NORTON ROSE OR SENCRL SRL LLP; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; R WILLIAM WRAY AND ASSOCIATES; THE MATTHEWS FIRM; WIGHTMAN DAVID ALEXANDER

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 NZ 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

10) Family number: 52534419 (US2014076560 AA)

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Title: WELLBORE CEMENTING TOOL HAVING ONE WAY FLOW

Abstract: A stage tool for reverse annular cementing a wellbore, comprising: a main body including a tubular wall with an

outer surface and a longitudinal bore extending from a top end to a bottom end; a fluid port through the tubular wall providing fluidic access between the longitudinal bore and the outer surface; and a valve for controlling flow through the fluid port between the outer surface and the inner bore, the valve including a closure for the fluid port and a check valve for permitting one way flow through the fluid port in a direction from the outer surface to the inner bore, the check valve being normally inactive and only acting on fluid flows through the fluid port when activated. The stage tool may be run in closed and opened for cementing by hydraulic actuation of the valve. After sufficient cement has been introduced to the annulus, the stage tool fluid port can be closed to hold the cement in the annulus.

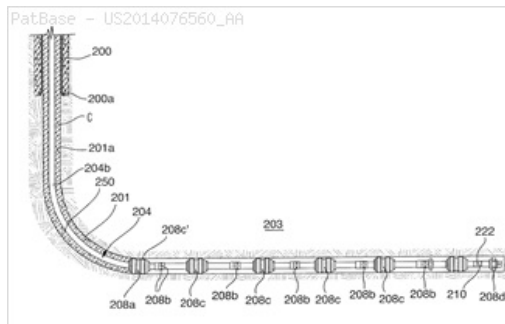
Classifications:

International (IPC 8-9): E21B33/13 E21B33/138 E21B33/14

E21B34/06 E21B34/10

CPC: E21B33/13 E21B33/14 E21B33/146 E21B34/10

US: 166/148 166/281 166/285 166/316 166/318 166/321



Family:

Publication number	Publication date	Application number	Application date
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CA2836629 AA	20131119	CA20122836629	20120522
EP2737167 A1	20140604	EP20120792178	20120522
EP2737167 A4	20150722	EP20120792178	20120522
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WO21262792 A1	20121206	WO2012CA00487	20120522

Priority:

US20110491302P 20110530 US20110509763P 20110720 WO2012CA00487 20120522

US20120118634 20120522

Probable Assignee: PACKERS PLUS ENERGY SERVICES INC

Assignee(s): (std): KENYON MICHAEL ; PACKERS PLUS ENERGY SERV INC ; PACKERS PLUS ENERGY SERVICES INC ; THEMIG DANIEL JON

Inventor(s): (std): KENYON MICHAEL ; THEMIG DANIEL JON

Agent(s): BENNETT JONES LLP; CALDWELL ROSEANN B ET AL; DIACONESCU APRILIA U; FB RICE; FB RICE PTY LTD; MANNION DANIEL JAMES

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 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 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

11) Family number: 32658275 (US2006042798 AA)

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Title: CASING SHOES AND METHODS OF REVERSE-CIRCULATION CEMENTING OF CASING

Abstract: A method having the following steps: running a circulation valve comprising a reactive material into the well bore on the casing; reverse-circulating an activator material in the well bore until the activator material contacts the reactive material of the circulation valve; reconfiguring the circulation valve by contact of the activator material with the reactive material; and reverse-circulating a cement composition in the well bore until the reconfigured circulation valve decreases flow of the cement composition. A circulation valve for cementing casing in a well bore, the valve having: a valve housing connected to the casing and comprising a reactive material; a plurality of holes in the housing, wherein the plurality of holes allow fluid communication between an inner diameter of the housing and an exterior of the housing, wherein the reactive material is expandable to close the plurality of holes.

Classifications:

International (IPC 8-9): E21B17/00 E21B17/14 E21B21/00

E21B21/10 E21B33/02 E21B33/03 E21B33/12 E21B33/13

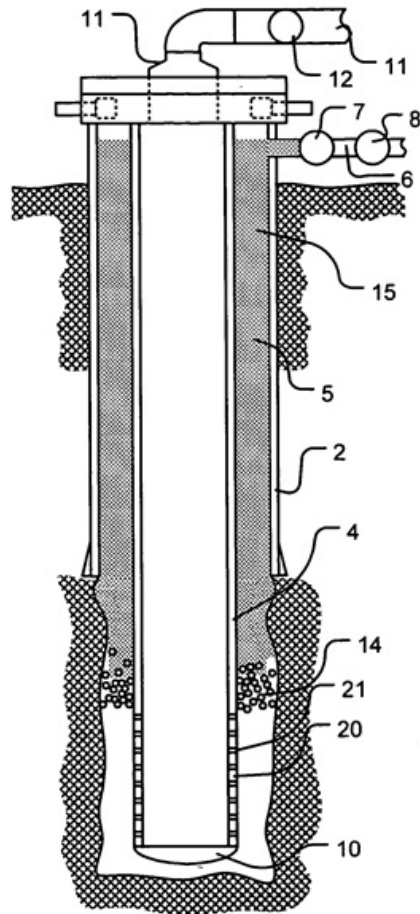
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CPC: E21B21/10 E21B33/14 E21B34/102

US: 166/177.4 166/179 166/192 166/192S 166/242.1 166/242.8
166/242.800 166/285 166/300 166/316 166/317 166/332.8 166/386
166/88.1 166/88.100 251/89

**Family:**

Publication number	Publication date	Application number	Application date
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CA2646549 AA	20060309	CA20052646549	20050725
CA2646549 C	20120313	CA20052646549	20050725
CA2646556 AA	20060309	CA20052646556	20050725
CA2646556 C	20100309	CA20052646556	20050725
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US2006042798 AA	20060302	US20040929163	20040830
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WO06024811 A1	20060309	WO2005GB02905	20050725

Priority:

US20040929163	20040830	WO2005GB02905	20050725	CA20052577774	20050725
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US20070940095	20071114				

Probable Assignee: HALLIBURTON CO**Assignee(s):** (std): BADALAMENTI ANTHONY M ; BLANCHARD KARL W ; CROWDER MICHAEL G ; FAUL RONALD R ;

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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 KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

12) Family number: 61842576 (US2016069155 AA)

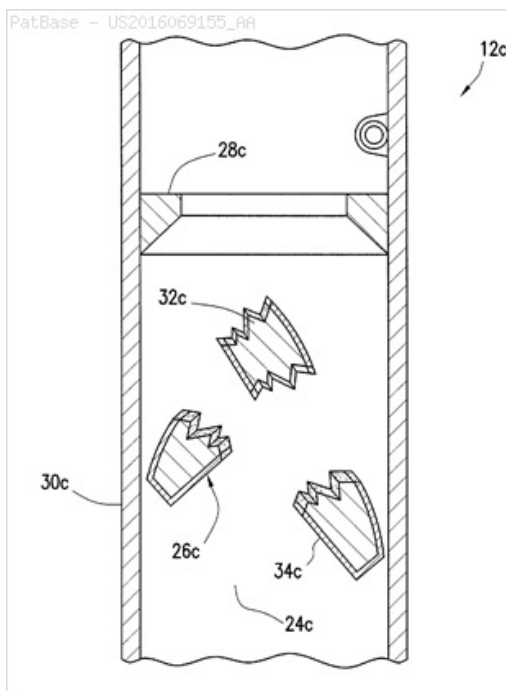
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Title: HIGH STRENGTH DISSOLVABLE COMPOSITIONS FOR USE IN SUBTERRANEAN WELLS

Abstract: A polymetaphosphate composition and method for temporarily sealing a perforation in a wellbore to facilitate a treatment therein and a well tool which can include a flow path, and a flow blocking device which selectively prevents flow through the flow path. The well tool can include a polymetaphosphate composition. A method of constructing a downhole well tool can include forming a structure of a solid mass comprising a polymetaphosphate composition, and incorporating the structure into the well tool.

Classifications:

International (IPC 8-9): C09K8/50 C09K8/516 E21B33/13 E21B33/134 E21B33/138 E21B34/00 E21B34/06 E21B43/04
CPC: C09K8/516 E21B2034/002 E21B2034/005 E21B2200/05 E21B33/134 E21B33/138 E21B34/063 E21B43/04
US: 1/1 166/205 166/292 166/381



Family:

Publication number	Publication date	Application number	Application date
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US2016069155 AA	20160310	US20150919413	20151021
US2018100375 AA	20180412	US20170839210	20171212
US2019292878 AA	20190926	US20190438175	20190611

Priority:

US20140070343P 20140821 US20150919413 20151021 US20170839210 20171212
 US20190438175 20190611

Probable Assignee: A SCHULMAN INC

Assignee(s): (std): A SCHULMAN INC ; SCHULMAN A INC

Assignee(s): LYONDELLBASELL ADVANCED POLYMERS INC

Inventor(s): (std): HEATH STANLEY J ; TODD BRADLEY L

13) Family number: 65261690 (US2017081943 AA)

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Title: METHODS FOR PLACING A BARRIER MATERIAL IN A WELLBORE TO PERMANENTLY LEAVE TUBING IN CASING FOR PERMANENT WELLBORE ABANDONMENT

Abstract: Methods for sealing a wellbore include placing a barrier material within an annular space between a wellbore

tubing and a wellbore casing, wherein a seal is placed across or below openings in the wellbore tubing at at least one location above a lowermost tubing to annulus opening. In some embodiments, an intervention tubing may be used to insert the barrier material into successively exposed ones of the annulus openings, whereby no seal sleeve is needed.

Classifications:

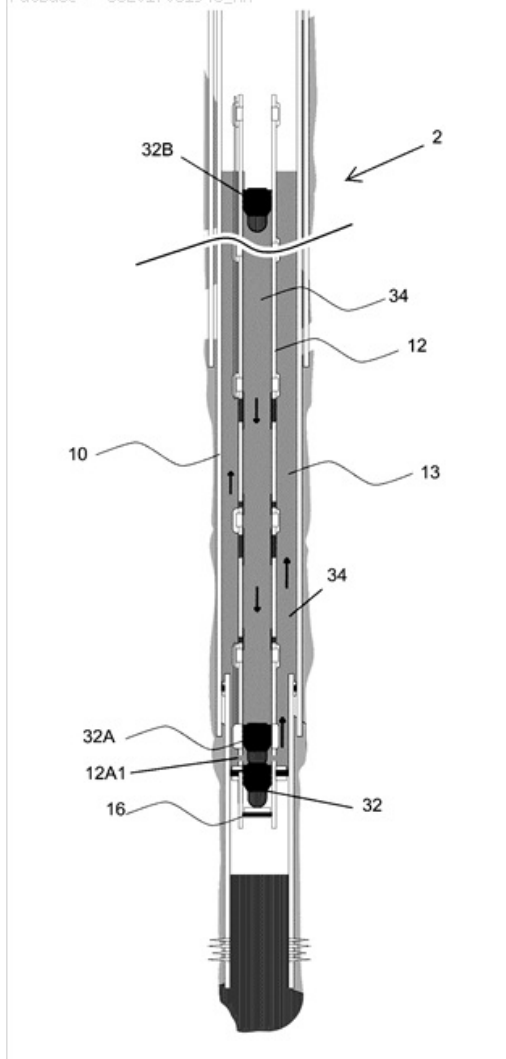
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E21B33/16 E21B34/06 E21B43/10

CPC: E21B33/13

US: 1/1 166/291

PatBase - US2017081943_AA



Family:

Publication number	Publication date	Application number	Application date
CA2997006 AA	20180228	CA20162997006	20160916
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DK3353373 T3	20200629	DK20160778473T	20160916
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EP3353373 B1	20200401	EP20160778473	20160916
US10107067 BB	20181023	US20160262109	20160912
US2017081943 AA	20170323	US20160262109	20160912
WO17052378 A2	20170330	WO2016NO50188	20160916
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Priority:

US20150221643P 20150922 US20160262109 20160912 WO2016NO50188 20160916
EP20160778473 20160916

Probable Assignee: AARBAKKE INNOVATION A S

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Assignee(s): GUDMESTAD TARALD ; HANSEN HENNING

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Agent(s): ACAPO AS; FAGIN RICHARD A; PARLEE MCLAWS LLP

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 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

14) Family number: 44048997 (US2009294133 AA)

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Title: INJECTION APPARATUS AND METHOD

Abstract: The invention relates to an injection apparatus for injecting a chemical additive into a fluid mixture flowing in a

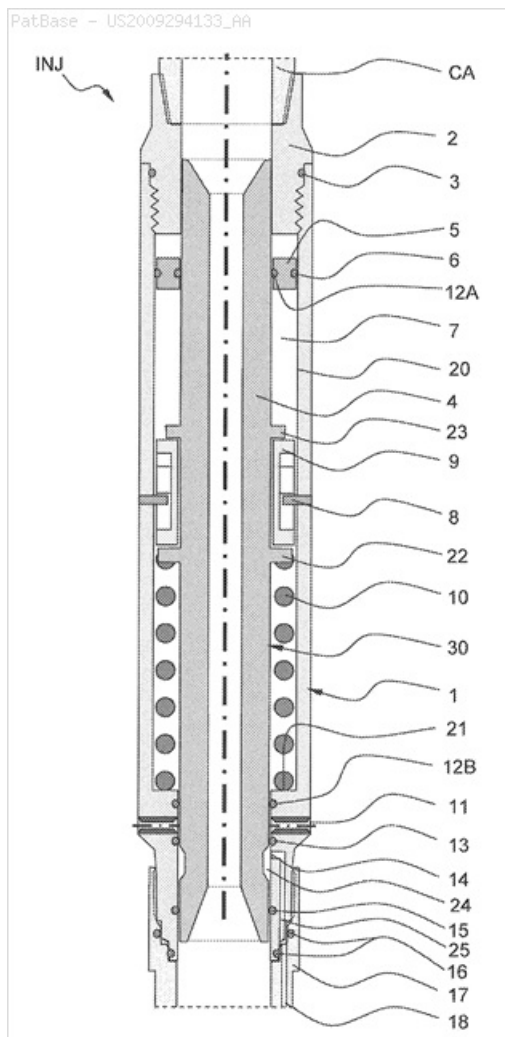
well-bore. The invention also relates to a corresponding injection method. A particular application of the invention relates to the oilfield industry, for example in cementing operation

Classifications:

International (IPC 8-9): E21B33/13 E21B33/138 E21B33/14
E21B34/00 E21B34/06 E21B34/10

CPC: E21B23/006 E21B27/02 E21B33/13 E21B33/14

US: 166/316 166/316S 166/319 166/319S 166/374



Family:

Publication number	Publication date	Application number	Application date
AT505621 E	20110415	AT20080157376T	20080530
DE602008006176 D1	20110526	DE200860006176T	20080530
DK2128378 T3	20110718	DK20080157376T	20080530
EP2128378 A1	20091202	EP20080157376	20080530
EP2128378 B1	20110413	EP20080157376	20080530
US2009294133 AA	20091203	US20090468656	20090519

Priority:

EP20080157376 20080530

Probable Assignee: SCHLUMBERGER HOLDINGS

Assignee(s): (std): PRAD RES AND DEV NV ; RAYSSIGUIER CHRISTOPHE ; SCHLUMBERGER HOLDINGS ; SCHLUMBERGER SERVICES PETROL ; SCHLUMBERGER TECHNOLOGY BV ; SHINDGIKAR NIKHIL

Assignee(s): PRAD RESEARCH AND DEVELOPMENT N V ; SCHLUMBERGER HOLDINGS LIMITED ; SCHLUMBERGER HOLDINGS LTD ; SCHLUMBERGER TECHNOLOGY CORP ; SERVICES PETROLIERS SCHLUMBERGER

Inventor(s): (std): RAYSSIGUIER CHRISTOPHE ; SHINDGIKAR NIKHIL

Agent(s): GABRIEL FRANCK ; SCHLUMBERGER OILFIELD SERVICES ; VANDERMOLLEN MATHIEU

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

15) Family number: 30114905 (US5934376 A)

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Title: Methods and apparatus for completing wells in unconsolidated subterranean zones

Abstract: Improved methods and apparatus for completing an unconsolidated subterranean zone penetrated by a wellbore are provided. The methods basically comprise the steps of placing a slotted liner having an internal sand screen disposed therein in the zone, isolating the slotted liner and the wellbore in the zone and injecting particulate material into the annuli between the sand screen and the slotted liner and the slotted liner and the wellbore to thereby form packs of particulate material therein to prevent the migration of fines and sand with produced fluids.

Classifications:

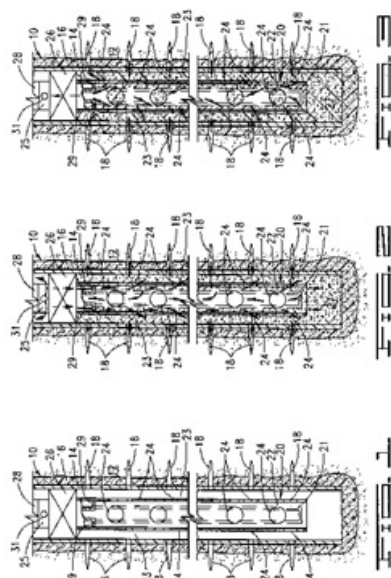
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E21B43/08 E21B43/10 E21B43/26 E21B43/267

International (IPC 1-7): E03B3/18 E21B3/313 E21B33/13
E21B33/138 E21B34/06 E21B4/300 E21B4/304 E21B4/308
E21B43/00 E21B43/02 E21B43/04 E21B43/08 E21B43/10 E21B43/26
E21B43/267

CPC: E21B43/025 E21B43/04 E21B43/10 E21B43/045 E21B34/06

US: 166/205 166/227 166/233 166/235 166/236 166/236S 166/276
166/278 166/278S 166/281 166/281S 166/285 166/295 166/50
166/50S 166/51 166/51P 166/51S 166/5

U.S. Patent Aug. 10, 1929 Sheet 1 of 2 5,934,376



Publication number	Publication date	Application number	Application date
AU199889294 A1	19990506	AU19980089294	19981014
AU738276 B2	20010913	AU19980089294	19981014
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Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

16) Family number: 15170642 (US6047773 A)

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Title: Apparatus and methods for stimulating a subterranean well

Abstract: A method of stimulating a subterranean well permits each desired location within a portion of a well to be isolated from other portions of the well during stimulation operations therein, but does not require lining a portion of the well with casing and cement, and does not require the use of sealing devices, such as inflatable packers, in the well portion. In a preferred embodiment, a stimulation method includes the steps of depositing a barrier fluid in a portion of a well, forming a radially extending opening through the fluid, and flowing stimulation fluids through the opening and into a formation surrounding the portion of the well.

Classifications:

International (IPC 8-9): E21B21/00 E21B21/14 E21B33/13

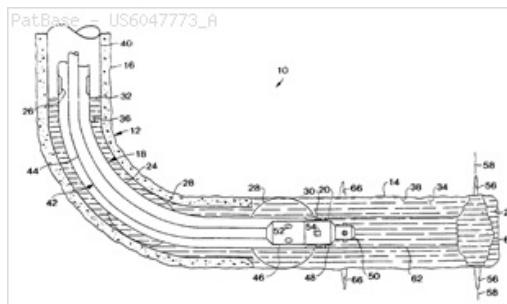
E21B34/00 E21B34/06 E21B43/25 E21B43/26

International (IPC 1-7): E21B33/13 E21B33/138 E21B34/06

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Family:

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Priority:

US19960689547 19960809	US19970968934 19971112	CA19982253687 19981109
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