

1) Family number: 49044330 (US2011132622A)

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Title: APPARATUS AND METHOD FOR INSTALLING A LINER STRING IN A WELLBORE CASING

Abstract: An apparatus (100) for installing a liner string (102) in a wellbore casing (40). The apparatus (100) includes a tubular mandrel subassembly (110), a load transfer subassembly (140) and an expander cone subassembly (142). The load transfer subassembly (140) is carried on the tubular mandrel subassembly (110) and is operable to apply a force in the downhole direction to the liner string (102). The expander cone subassembly (142) is carried on the tubular mandrel subassembly (110) and is operable to radially expand at least a portion of the liner string (102) into contact with the wellbore casing (40) when axially moved through the liner string (102). In operation, decoupling of the load transfer subassembly (140) from the tubular mandrel subassembly (110) enables release of the apparatus (100) from the liner string (102).

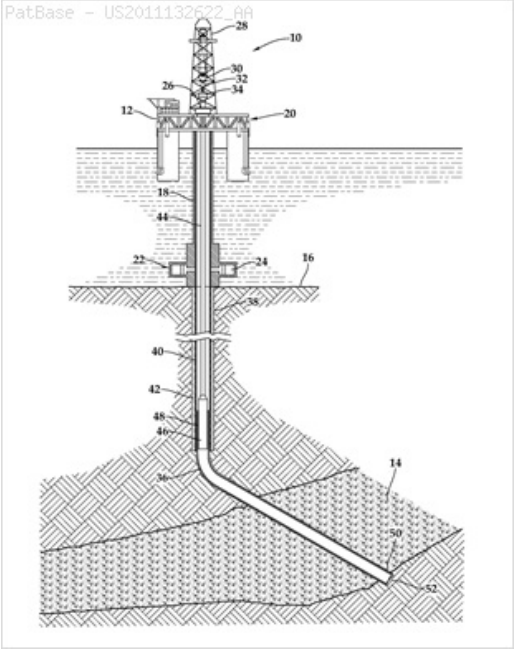
Classifications:

International (IPC 8-9): E21B23/00 E21B43/10 (Advanced/Invention)

CPC: E21B43/105

European: E21B43/10F1

US: 166/126 166/126S 166/207 166/382



Family:

Publication number	Publication date	Application number	Application date
US2011132622 AA	20110609	US20090632887	20091208
US8371388 BB	20130212	US20090632887	20091208
WO11071585 A1	20110616	WO2010US49943	20100923

Priority:

US20090632887 20091208

Probable Assignee: HALLIBURTON CO

Assignee(s): (std): HALLIBURTON ENERGY SERV INC ; WATSON BROCK WAYNE ; MOELLER DANIEL KEITH

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

Inventor(s): (std): MOELLER DANIEL KEITH ; WATSON BROCK WAYNE

Agent(s): LAWRENCE R; YOST LAWRENCE R

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 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 RO RS RU 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

2) Family number: 67086239 (US2018347323A)

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Title: BIG BORE RUNNING TOOL QUICK LOCK ADAPTOR

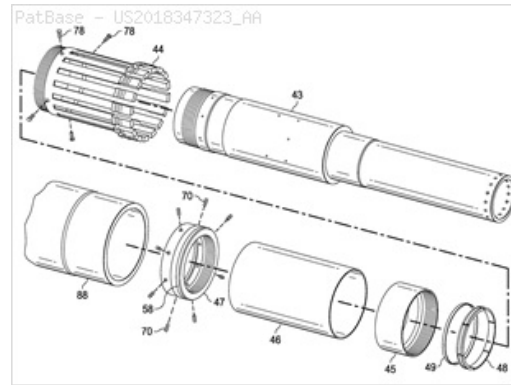
Abstract: The disclosed embodiments include a coupler assembly and method for conveying a single piece liner hanger body. In one embodiment, the coupler assembly includes a nut, a load transfer sleeve, a locking dog retainer, a garter spring, a locking dog, a collet, an outer collet mandrel, and a collet prop mandrel. As described herein, components of the coupler assembly are assembled and installed within the inner diameter of the single piece liner hanger body for engaging with a liner hanger sub-assembly attached to a running tool.

Classifications:

International (IPC 8-9): E21B17/02 E21B23/00 E21B23/02

E21B43/10 (Advanced/Invention)

International (IPC 1-7): E21B17/02 E21B23/02 E21B43/10
CPC: E21B23/02 E21B23/00 E21B43/10
US: 1/1 166/378



Family:

Publication number	Publication date	Application number	Application date
AU2016398436 AA	20180517	AU20160398436	20160323
BR112018016638 A2	20181226	BR20181116638	20160323
CA3014985 AA	20180809	CA20163014985	20160323
CN108699894 A	20181023	CN201680081707	20160323
CO20180008237 A2	20180821	CO20180008237	20180803
DE112016006257 T5	20181004	DE201611006257T	20160323
EP3400360 A1	20181114	EP20160895676	20160323
EP3400360 A4	20190821	EP20160895676	20160323
GB201812963 A0	20180926	GB20180012963	20160323
GB2564272 A1	20190109	GB20180012963	20160323
IN201817029050 A	20181019	IN201817029050	20180802
MX2018010158 A1	20181109	MX20180010158	20160323
NO20181101 A	20180822	NO20180001101	20180822
SG11201803825P A1	20180628	SG20181103825	20160323
US2018347323 AA	20181206	US20160779002	20160323
WO17164869 A1	20170928	WO2016US23812	20160323

Priority:

US20160779002 20160323 WO2016US23812 20160323

Probable Assignee: HALLIBURTON CO

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

Assignee(s): MORENO CARLOS ALBERTO ; KOHN GARY ALLEN ; HUMPHREY RYAN THOMAS ; DAIGLE ODEE PAUL

Inventor(s): (std): CARLOS ALBERTO MORENO ; DAIGLE ODEE ; DAIGLE ODEE PAUL ; GARY ALLEN KOHN ; HUMPHREY RYAN ; HUMPHREY RYAN THOMAS ; KOHN GARY ; KOHN GARY ALLEN ; MORENO CARLOS ; MORENO CARLOS ALBERTO ; ODEE PAUL DAIGLE ; RYAN THOMAS HUMPHREY

Agent(s): SPRUSON AND FERGUSON; FB RICE PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CAROLINA MERCEDES DAZA MONTALVO; MCWILLIAMS DAVID JOHN; GROSS CHARLES J 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

3) Family number: 58728140 (US2015075788A)

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Title: APPARATUS AND METHODS FOR LOCATING A PARTICULAR LOCATION IN A WELLBORE FOR PERFORMING A WELLBORE OPERATION

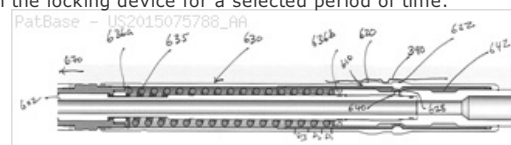
Abstract: An apparatus for use in a wellbore is disclosed that in one non-limiting embodiment includes a locating device having a locating collet configured to engage with a locating profile on a housing and disengage from the locating profile when a first pull load is applied to the locating collet, a delay device that prevents application of the first pull load on the locating collet when it is engaged with the locating profile until the delay device has been activated, and a locking device configured to prevent activation of the delay device until a second pull load less than the first is applied on the locking device for a selected period of time.

Classifications:

International (IPC 8-9): E21B17/00 E21B17/02 E21B17/07 E21B17/10 E21B19/16 E21B19/18 E21B23/00 E21B23/01 E21B23/02 E21B23/06 E21B25/06 E21B33/12 E21B33/124 E21B33/126 E21B33/127 E21B43/04 E21B43/10 E21B43/14 E21B43/22 E21B43/247 E21B43/25 E21B43/26 E21B43/267 (Advanced/Invention); E21B33/124 (Advanced/Non-invention)

CPC: E21B23/01 E21B43/08 E21B43/108 E21B23/00 E21B33/12 E21B23/06 E21B43/267 E21B33/124 E21B43/14 E21B43/26 E21B17/02 E21B19/16 E21B19/18 E21B17/00 E21B17/07 E21B23/006 E21B23/02

US: 1/1 166/180 166/181 166/188 166/191 166/241.1 166/255.2 166/308.1 166/373 166/377 166/378 166/382 166/387



Family:

Publication number	Publication date	Application number	Application date
AU2014318414 AA	20160310	AU20140318414	20140916
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AU2014318415 BB	20170907	AU20140318415	20140916
AU2014318416 AA	20160310	AU20140318416	20140916
AU2014318416 BB	20181213	AU20140318416	20140916
AU2015225560 AA	20160818	AU20150225560	20150225
AU2015225560 BB	20180816	AU20150225560	20150225
AU2015225734 AA	20160818	AU20150225734	20150205
AU2015225734 BB	20171123	AU20150225734	20150205
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GB2533726 B2	20200325	GB20160004364	20140916
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IN201617006040 A	20160805	IN201617006040	20160222
IN201617006052 A	20160805	IN201617006052	20160222
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NO20161279 A	20160809	NO20160001279	20160809
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US2015075807 AA	20150319	US20140487918	20140916
US2015075815 AA	20150319	US20140487828	20140916
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US2015252645 AA	20150910	US20140508750	20141007
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US10370916 BB	20190806	US20140487973	20140916
US10465461 BB	20191105	US20140487828	20140916
WO15039109 A1	20150319	WO2014US55886	20140916
WO15039110 A1	20150319	WO2014US55887	20140916
WO15039111 A1	20150319	WO2014US55889	20140916
WO15134143 A1	20150911	WO2015US14607	20150205
WO15134253 A1	20150911	WO2015US17515	20150225

Priority:

US20130878341P	20130916	US20130878357P	20130916	US20130878383P	20130916
US20140201394	20140307	US20140487918	20140916	US20140487828	20140916
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WO2014US55889	20140916	US20140508750	20141007	WO2015US14607	20150205
WO2015US17515	20150225	US20170435570	20170217		

Probable Assignee: BAKER HUGHES A GE CO LLC

Assignee(s): (std): ALLEN JASON A ; BAKER HUGHES A GE CO ; BAKER HUGHES INC ; CAYSON ANDREW JAMES ; COCHRAN TRAVIS E ; HAMMER AARON C ; KOLI JAI K ; O BRIEN ROBERT S ; OBRIEN ROBERT S ; POWERS GEOFFREY YORK ; BAKER HUGHES A GE CO LLC

Inventor(s): (std): AARON C HAMMER ; ALLEN JASON A ; ANDREW JAMES CAYSON ; CAYSON ANDREW JAMES ; GEOFFREY YORK POWERS ; HAMMER AARON C ; JAI K KOLI ; JASON A ALLEN ; O BRIEN ROBERT ; O BRIEN ROBERT S ; ROBERT S O BRIEN ; TRAVIS E COCHRAN ; KOLI JAI K ; COCHRAN TRAVIS E ; POWERS GEOFFREY YORK

Inventor(s): ROBERT O BRIEN ; OBRIEN ROBERT ; OBRIEN ROBERT S

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; CANTOR COLBURN 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 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

4) Family number: 29983193 (US2002070032A)

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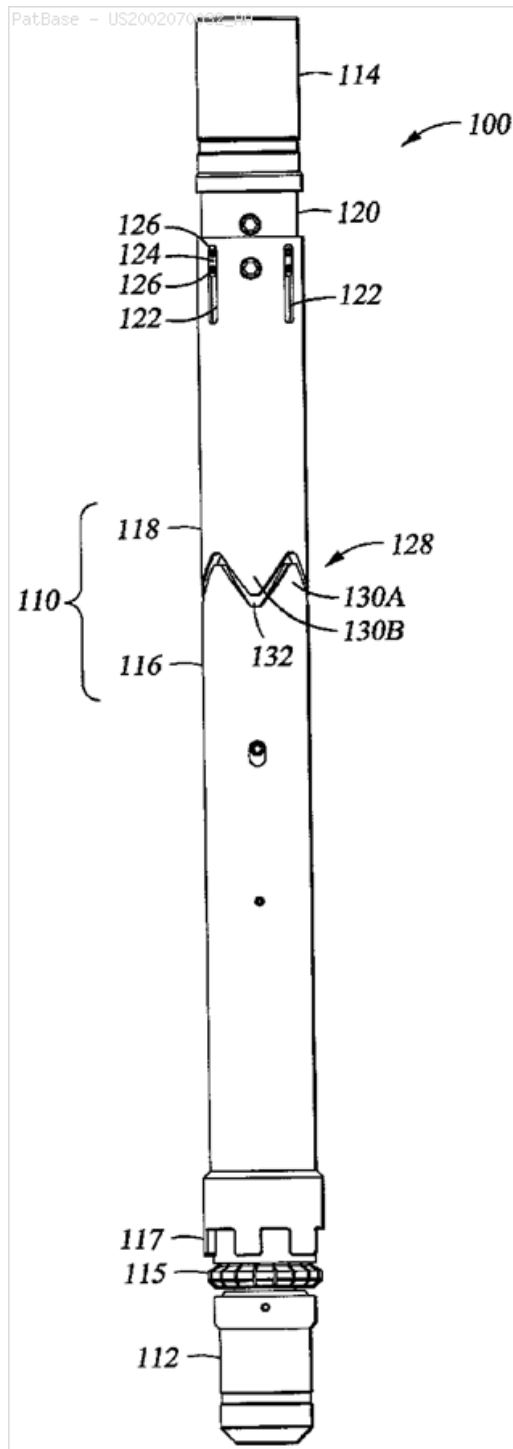
Title: HYDRAULIC RUNNING TOOL WITH TORQUE DAMPENER

Abstract: The present invention generally provides a running tool comprising a torque-dampening system. A first portion and a second portion of the running tool are operably related by a torsion interface. In one embodiment, the torsion interface includes a plurality of interlaced teeth disposed on the each of the first and second portions. During relative rotation of the first and second portions, the teeth engage and "ride up" on one another, thereby forcing the first and second portions in opposite axial directions. At least one of the portions houses a flow restrictor assembly adapted to restrict fluid flow from one region to another during the axial movement of the portions. Accordingly, the relative rotation between the portions is inhibited, or dampened.

Classifications:

International (IPC 8-9): E21B17/06 E21B23/00
E21B43/10 (Advanced/Invention);

E21B17/02 E21B23/00 E21B43/02 (Core/Invention)
International (IPC 1-7): E21B17/02 E21B17/06 E21B23/00 E21B34/10
E21B43/10
CPC: E21B17/06 E21B23/00 E21B23/004 E21B43/10
European: E21B17/06 E21B23/00 E21B23/00M E21B43/10
US: 166/208 166/242.1 166/242.6 166/381 166/386



Family:

Publication number	Publication date	Application number	Application date
AU2002218415 AA	20020624	AU20020218415	20011204
AU2002218415 BB	20060907	AU20020218415	20011204
CA2427453 AA	20030430	CA20012427453	20011204
CA2427453 C	20080506	CA20012427453	20011204
DE60114047 D1	20060223	DE20016014047	20011204
DE60114047 D1	20060223	DE20016014047T	20011204
DE60114047 T2	20060720	DE20016014047T	20011204
EP1350005 A1	20031008	EP20010270681	20011204
EP1350005 B1	20051012	EP20010270681	20011204
NO20032022 A	20030806	NO20030002022	20030506
NO20032022 A0	20030506	NO20030002022	20030506
NO20032022 L	20030806	NO20030002022	20030506
NO327309 B1	20090602	NO20030002022	20030506
US2002070032 AA	20020613	US20000734489	20001211
US6467547 BB	20021022	US20000734489	20001211
WO0248502 A1	20020620	WO2001GB05359	20011204

Priority:

US20000734489 20001211 WO2001GB05359 20011204

Probable Assignee: WEATHERFORD TECHNOLOGY HOLDINGS LLC**Assignee(s):** (std): GUDMESTAD TARALD ; HARDING RICHARD PATRICK ; MAGUIRE PATRICK G ; MURRAY MARK ; WEATHERFORD LAMB ; DUFF RICHARD**Assignee(s):** DUFF RICHARD8-1401 CLOVER BAR ROAD SHERWOOD PARKA1T8A 5Y7CA ; DEUTSCHE BANK TRUST CO AMERICAS ADMINISTRATIVE AGENT AS ; WEATHERFORD LAMB INC ; WEATHERFORD LAMB INC 2000 ST. JAMES PLACE HOUSTON TX 77056 US ; WEATHERFORD TECHNOLOGY HOLDINGS LLC 2000 ST. JAMES PL. HOUSTON TX 77056 US ; WELLS FARGO BANK NATIONAL ASSOCIATION AGENT AS ; WEATHERFORD TECHNOLOGY HOLDINGS LLC**Inventor(s):** (std): MAGUIRE G ; MURRAY MARK J ; MURRAY MARK ; MAGUIRE PATRICK G ; GUDMESTAD TARALD ; DUFF RICHARD**Inventor(s):** MURRAY MARKUS ; PATRICK G MAGUIRE ; RICHARD DUFF ; TARALD GUDMESTAD ; MAGUIRE PATRICK GUS ; MARK MURRAY ; DUFF RICHARD8-1401 CLOVER BAR ROAD SHERWOOD PARKA1T8A 5Y7CA ; GUDMESTAD TARALDUS**Agent(s):** FRASER OLD AND SOHN; MARKS AND CLERK**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 PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW**5) Family number: 10181695 (US4730851A)**

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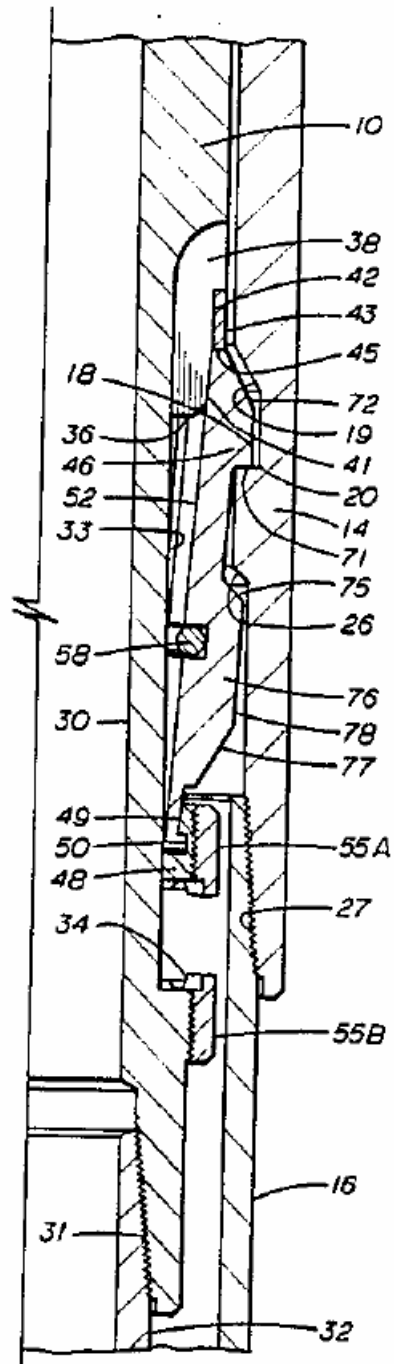
Title: Downhole expandable casting hanger

Abstract: A hanger assembly 10 for suspending an inner pipe string 32 within an outer casing 16 from a particular location therein. The hanger assembly includes a hanger body 30 and an expandable locking assembly 46 comprised of a plurality of latching fingers 77 secured at their lower ends about the hanger body by a split retainer ring 48 which permits limited pivotal movement of the latching fingers about their lower ends. Each latching finger 47 is provided with a hook surface 71 adjacent its upper end adapted to engage an upward facing abutment 20 on the inner profile of the outer casing. The free ends of the latching fingers are urged outwardly by a circular spring 58. The retainer 48 and locking assembly 46 are secured to the hanger body 30 by a connecting shear ring 55 which restrains relative axial movement of the locking assembly on the hanger body until the latching fingers hook on the inner profile of the outer casing whereby the shear ring 55 is parted by a predetermined weight of the inner pipe string and the hanger body 30 slides downward to lock the fingers 47 in latched relation with the outer casing 16. By uplifting the hanger 30, cooperating cam surfaces 72, 75, 19, 26 on the fingers 47 and outer casing 16 permit extraction of the inner pipe string 32 if desired.

Classifications:**International (IPC 8-9):** E21B23/02 E21B43/10 (Advanced/Invention);

E21B23/00 E21B43/02 (Core/Invention)

International (IPC 1-7): F16L39/00**CPC:** E21B23/02 E21B43/10**European:** E21B23/02 E21B43/10**US:** 285/123.4 285/141 285/317 285/320 285/4

**Family:**

Publication number	Publication date	Application number	Application date
US4730851 A	19880315	US19860882873	19860707

Priority:

US19860882873 19860707

Probable Assignee: COOPER CAMERON CORP**Assignee(s):** (std): COOPER IND INC**Assignee(s):** COOPER IND ; COOPER CAMERON CORP ; JOY MFG ; JOY MFG CO A CORP OF PA ; COOPER INDUSTRIES**Inventor(s):** (std): WATTS GERALD D**6) Family number:** 52118233 (US2015159469A)

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Title: DOWNHOLE APPARATUS AND METHOD

Abstract: A downhole tool (32) comprises a tool housing (34) defining a central bore (35) and including a fluid port (20), and a valve member (40) mounted within the housing (34) and being moveable from a closed position in which the fluid port (20) is blocked to an open position in which the fluid port (20) is opened. The tool (32) further comprises a catching arrangement (41) mounted within the housing (34) and comprising one or more radially moveable seat members (106), and being configurable from a free configuration in which the seat members (106) permit an object (48) to pass through the tool (32), to a catching configuration in which the seat members (106) catch an object (48) passing through the tool (32).

Classifications:

International (IPC 8-9): E21B21/10 E21B23/04 E21B23/08 E21B33/124 E21B34/08 E21B34/10 E21B34/14 E21B34/16 E21B43/12 E21B43/14 E21B43/26 E21B47/00 E21B47/06 E21B47/09 (Advanced/Invention); E21B34/00 (Advanced/Non-invention)

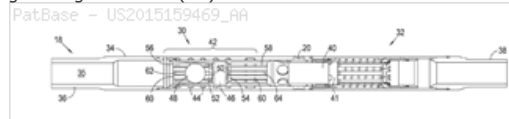
CPC: E21B34/16 E21B33/124 E21B47/06 E21B23/06 E21B33/126

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E21B34/106 E21B47/0002 E21B47/091 E21B2034/002 E21B2034/007

US: 1/1 166/185 166/318 166/373 166/378 166/66

PatBase - US2015159469_AA



Family:

Publication number	Publication date	Application number	Application date
AU2013298345 AA	20150219	AU20130298345	20130731
AU2013298345 BB	20161215	AU20130298345	20130731
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CA2880437 AA	20150129	CA20132880437	20130731
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GC7766 A	20180510	GC2013P025067	20130731
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Priority:

GB20120013574	20120731	GB20120023191	20121221	AU20130298345	20130731
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US20180017085	20180625				

Probable Assignee: WEATHERFORD TECHNOLOGY HOLDINGS LLC

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Assignee(s): PORTA SANTIAGO GALVEZ ; PURKIS DANIEL GEORGE ; WEBSTER OLIVER ; CORBETT STEVE ; PATTON DAMIEN GERARD ; DUNCAN IAN ; MANNING MATTHEW ; PETROWELL LIMITED

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