

EP 2 372 074 A3 (11)

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:

25.12.2013 Bulletin 2013/52

(43) Date of publication A2: 05.10.2011 Bulletin 2011/40

(21) Application number: 11158537.8

(22) Date of filing: 16.03.2011

(51) Int Cl.: E21B 4/18 (2006.01)

E21B 43/10 (2006.01) E21B 23/08 (2006.01) E21B 23/14 (2006.01)

(84) Designated Contracting States:

AL AT 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 SM TR **Designated Extension States: BA ME**

(30) Priority: 18.03.2010 US 315286 P

(71) Applicant: Weatherford/Lamb, Inc. Houston, TX 77027 (US)

(72) Inventor: Ring, Lev Houston, TX 77077 (US)

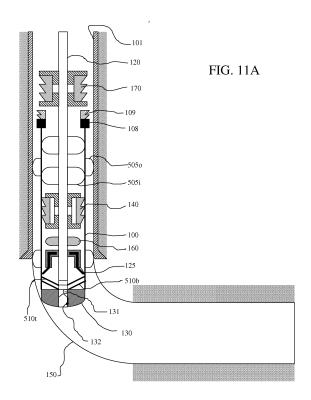
(74) Representative: Talbot-Ponsonby, Daniel **Frederick**

Marks & Clerk LLP **Fletcher House Heatley Road**

The Oxford Science Park Oxford OX4 4GE (GB)

(54)Apparatus and methods for running liners in extended reach wells

(57)A method of lining a wellbore includes deploying the liner into the wellbore using a workstring and a setting tool; engaging the setting tool with a casing or liner previously installed in the wellbore; and pressurizing a chamber formed between a seal of the setting tool and a shoe of the liner, thereby driving the liner further into the wellbore, wherein reactionary force is transferred to the previously installed casing or liner by the engaged setting tool.



EP 2 372 074 A3



EUROPEAN SEARCH REPORT

Application Number

EP 11 15 8537

	DOCUMENTS CONSIDERE	D TO BE RELEVANT				
Category	Citation of document with indicati of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)		
Х	EP 2 039 879 A2 (WEATH 25 March 2009 (2009-03		1-4,7-11	INV. E21B4/18		
A	* column 2, paragraph 2 paragraph 29; figures 3	22 - column 4,	5,6	E21B43/10 E21B23/08 E21B23/14		
Α	EP 1 184 536 A2 (HALLII INC [US]) 6 March 2002 * the whole document *		1-11	·		
Α	EP 1 026 365 A2 (WEATH 9 August 2000 (2000-08* * the whole document		1-11			
А	US 2009/272544 A1 (GIR ET AL) 5 November 2009 * page 2, paragraph 32 figures 1A,1B *	(2009-11-05)	1-11			
Α	US 5 884 702 A (YOKLEY 23 March 1999 (1999-03 * the whole document *		1-11	TECHNICAL FIELDS SEARCHED (IPC)		
A	US 4 898 243 A (LINDSE AL) 6 February 1990 (19 * the whole document * 		1-11	E21B		
	The present search report has been o	'				
Place of search Munich		Date of completion of the search 11 November 2013 M		Examiner Orrish, Susan		
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T : theory or principle E : earlier patent doo after the filling date D : dooument cited in L : dooument oited for	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filling date D: document oited in the application L: document oited for other reasons 8: member of the same patent family, corresponding document			

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 11 15 8537

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-11-2013

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 2039879	A2	25-03-2009	AU BR CA EP EP US	2008212066 PI0803588 2639426 2039879 2407635 2009071661	A1 A2 A2	02-04-20 19-05-20 18-03-20 25-03-20 18-01-20 19-03-20
EP 1184536	A2	06-03-2002	BR CA DE DE EP NO US US US	0103781 2356493 60102190 60102190 1184536 20014177 6505685 2003070814 2003070815 2003070816	A1 D1 T2 A2 A B1 A1	08-10-20 28-02-20 08-04-20 29-07-20 06-03-20 01-03-20 14-01-20 17-04-20 17-04-20
EP 1026365	A2	09-08-2000	AU CA EP GB NO	1488700 2298298 1026365 2346398 20000383	A1 A2 A	10-08-20 06-08-20 09-08-20 09-08-20 07-08-20
US 2009272544	A1	05-11-2009	AU CA CA EP US US WO	2009244317 2009244318 2722608 2722612 2291576 2304159 2009272544 2013092399 2009137536 2009137537	A1 A1 A1 A1 A2 A1 A1 A1	12-11-20 12-11-20 12-11-20 12-11-20 09-03-20 06-04-20 05-11-20 18-04-20 12-11-20
US 5884702	Α	23-03-1999	GB US US	2310679 5884702 6009943	Α	03-09-19 23-03-19 04-01-20
IIS 4898243	 А	06-02-1990	NONE			