



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 85 38 62

Classification of the application (IPC):
E21B 7/06, E21B 47/024

Technical fields searched (IPC):
E21B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2007163810 A1 (UNDERWOOD LANCE D [US] ET AL) 19 July 2007 (2007-07-19) * paragraphs [0047], [0048] * * figures 7,8 *	1, 7
X	US 4442908 A (STEENBOCK ARNO [DE]) 17 April 1984 (1984-04-17) * column 4, lines 16-27, 43-51 * * column 6, line 50 - column 7, line 5 * * figures 1,4,5 *	1
A	US 3011568 A (GRIMM IRVE C) 05 December 1961 (1961-12-05) * column 4, lines 26-75 * * figures 1,4 *	1-15
A	US 4811798 A (FALGOUT SR THOMAS E [US] ET AL) 14 March 1989 (1989-03-14) * column 5, line 3 - column 6, line 7 * * column 6, lines 22-33 * * figures 2A,2B,3 *	1-15
A	US 2001052427 A1 (EPPINK JAY M [US] ET AL) 20 December 2001 (2001-12-20) * paragraphs [0059] - [0063] * * figure 3A *	1-15
A	US 2011308858 A1 (MENGER CHRISTIAN [DE] ET AL) 22 December 2011 (2011-12-22) * figures 1,3 *	1-15
A	US 2014231136 A1 (WINSLOW DANIEL [US]) 21 August 2014 (2014-08-21) * abstract *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 19 May 2020	Examiner Schouten, Adri
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CATEGORY OF CITED DOCUMENTS

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A	US 5195754 A (DIETLE LANNIE [US]) 23 March 1993 (1993-03-23) * abstract *	1-15
A	US 6203435 B1 (FALGOUT SR THOMAS E [US]) 20 March 2001 (2001-03-20) * figures 1,4 *	1-15
A	US 2013043076 A1 (LARRONDE MICHAEL L [US] ET AL) 21 February 2013 (2013-02-21) * abstract *	1-15
A	US 2009133930 A1 (THORP RICHARD E [CN] ET AL) 28 May 2009 (2009-05-28) * abstract *	1-15

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