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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 85 72 11

Classification of the application (IPC):
E21B 19/16*, *E21B 19/00*, *E21B 15/02

Technical fields searched (IPC):
E21B

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	WO 2016197255 A1 (WARRIOR ENERGY TECH LTD [CA]) 15 December 2016 (2016-12-15) * paragraph [0142] *	1-9
A	WO 2017027647 A1 (WEATHERFORD TECH HOLDINGS LLC [US]) 16 February 2017 (2017-02-16) * the whole document *	1-9
A	WO 2014066368 A2 (PILGRIM RICK [US]) 01 May 2014 (2014-05-01) * paragraphs [0046] - [0051] *	1-9
A	EP 1121508 B1 (COUPLER DEVELOPMENTS LTD [GB]) 06 April 2005 (2005-04-06) * the whole document *	1-9
A	US 6591916 B1 (AYLING LAURENCE JOHN [GB]) 15 July 2003 (2003-07-15) * the whole document *	1-9
A	US 2013345878 A1 (AUSTEFJORD ARNE [NO] ET AL) 26 December 2013 (2013-12-26) * paragraphs [0046] - [0069] *	1-9

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	Date of completion of the search	Examiner
Munich	27 April 2021	Beran, Jiri

CATEGORY OF CITED DOCUMENTS

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2016197255 A1	15-12-2016	AU 2016275183 A1	14-12-2017
		CA 2988635 A1	15-12-2016
		CN 107709696 A	16-02-2018
		EA 201792656 A1	30-04-2018
		US 2018179833 A1	28-06-2018
		WO 2016197255 A1	15-12-2016
WO 2017027647 A1	16-02-2017	AU 2016304900 A1	15-03-2018
		CA 2995367 A1	16-02-2017
		EP 3334890 A1	20-06-2018
		US 2017044854 A1	16-02-2017
		WO 2017027647 A1	16-02-2017
WO 2014066368 A2	01-05-2014	AU 2013334830 A1	26-03-2015
		CA 2883713 A1	01-05-2014
		CN 104936745 A	23-09-2015
		GB 2521777 A	01-07-2015
		KR 20150074014 A	01-07-2015
		NO 344707 B1	16-03-2020
		SG 10201708521T A	28-12-2017
		SG 11201503105T A	28-05-2015
		US 2014124218 A1	08-05-2014
		US 2016376857 A1	29-12-2016
		US 2019186220 A1	20-06-2019
		WO 2014066368 A2	01-05-2014
EP 1121508 B1	06-04-2005	AT 292740 T	15-04-2005
		AU 759454 B2	17-04-2003
		BR 9914774 A	03-07-2001
		CA 2346880 A1	20-04-2000
		EP 1121508 A1	08-08-2001
		MX PA01003767 A	18-09-2002
		NO 317821 B1	13-12-2004
		WO 0022278 A1	20-04-2000
US 6591916 B1	15-07-2003	US 6591916 B1	15-07-2003
		US 2003234101 A1	25-12-2003
		US 2004159465 A1	19-08-2004
US 2013345878 A1	26-12-2013	BR 112012027302 A2	02-08-2016
		CA 2796300 A1	03-11-2011
		DK 2564014 T3	19-10-2015
		EP 2564014 A2	06-03-2013
		US 2013345878 A1	26-12-2013
		WO 2011135311 A2	03-11-2011

EP 3 682 082 A4

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