

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P25897PC00	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2019/058665	International filing date (<i>day/month/year</i>) 5 April 2019 (05-04-2019)	(Earliest) Priority Date (<i>day/month/year</i>) 25 April 2018 (25-04-2018)
Applicant INTERWELL NORWAY AS		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

- the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6*bis*(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box No. II)

3. **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

- the text is approved as submitted by the applicant
 the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant
 the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 5
 as suggested by the applicant
 as selected by this Authority, because the applicant failed to suggest a figure
 as selected by this Authority, because this figure better characterizes the invention
- b. none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2019/058665

A. CLASSIFICATION OF SUBJECT MATTER
INV. E21B34/06 E21B34/10
ADD.
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
E21B
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2012/066282 A2 (EXPRO NORTH SEA LTD [GB]; THOMPSON RICHARD WILLIAM [GB]) 24 May 2012 (2012-05-24) cited in the application page 12, line 20 - page 15, line 37; figures 1A-1C,2A-2B page 9, lines 10-13	1-4,6
Y	EP 2 978 926 B1 (VOSSTECH AS [NO]) 3 May 2017 (2017-05-03) cited in the application paragraphs [0016], [0028] - [0106]; figures 1A-9 ----- -/--	1-4,6

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search 26 June 2019	Date of mailing of the international search report 02/07/2019
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Beran, Jiri

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2019/058665

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 9 194 205 B2 (BRANDSDAL VIGGO [NO]; LERBREKK MORTEN [NO]; TCO AS [NO]) 24 November 2015 (2015-11-24) cited in the application the whole document	1-13
A	----- Interwell Ltd.: "Product Sheet: Inter Remote Shatter Valve (IRSV) Product Description Product Application", Internet Advertisement, 6 June 2017 (2017-06-06), pages 1-2, XP55598965, Retrieved from the Internet: URL:https://www.interwell.com/getfile.php/ 1316400-1496998621/Bilder/New%20Web%20Prod uct%20Sheets/Product%20Sheet%20IRSV(3).pdf [retrieved on 2019-06-24] the whole document	1-13
A	----- Interwell Ltd.: "Product Sheet: Inter Remote Shatter Valve (IRSV) Product Description Product Application", Internet Advertisement, 6 June 2017 (2017-06-06), pages 1-2, XP055598965, Retrieved from the Internet: URL:https://www.interwell.com/getfile.php/ 1316400-1496998621/Bilder/New%20Web%20Prod uct%20Sheets/Product%20Sheet%20IRSV(3).pdf [retrieved on 2019-06-24] the whole document	1-13
A	----- US 4 813 481 A (SPROUL RICHARD M [US] ET AL) 21 March 1989 (1989-03-21) the whole document	1-13
X,P	----- WO 2019/011563 A1 (VOSSTECH AS [NO]) 17 January 2019 (2019-01-17) page 5, line 7 - page 10, line 18; claim 1+7	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2019/058665

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2012066282	A2	24-05-2012	AU 2011330955 A1 30-05-2013 CA 2818307 A1 24-05-2012 EP 2640929 A2 25-09-2013 US 2013292133 A1 07-11-2013 WO 2012066282 A2 24-05-2012

EP 2978926	B1	03-05-2017	BR 112015024774 A2 18-07-2017 DK 2978926 T3 31-07-2017 EP 2978926 A2 03-02-2016 MX 362358 B 14-01-2019 NO 336554 B1 28-09-2015 US 2016060998 A1 03-03-2016 WO 2014154464 A2 02-10-2014

US 9194205	B2	24-11-2015	AU 2011233759 A1 27-09-2012 BR 112012024768 A2 07-06-2016 CA 2792475 A1 06-10-2011 EP 2553212 A1 06-02-2013 NO 332526 B1 08-10-2012 RU 2012142711 A 10-05-2014 US 2013014933 A1 17-01-2013 WO 2011122957 A1 06-10-2011

US 4813481	A	21-03-1989	NONE

WO 2019011563	A1	17-01-2019	NO 343059 B1 22-10-2018 WO 2019011563 A1 17-01-2019
