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**Declarations under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: SUBSEA WELL INTERVENTION MODULE

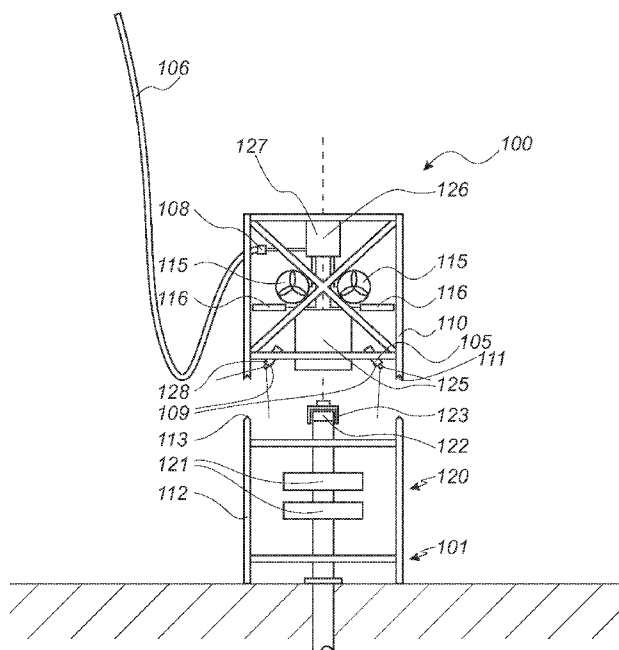


Fig. 2

(57) Abstract: Subsea well intervention module for well intervention operations to be performed in a well from a surface vessel via a wireline. The intervention module comprises a supporting structure, an attachment means for removably attaching the supporting structure to a structure of a well head or an additional structure, a well manipulation assembly, a navigation means having at least one propulsion unit for manoeuvring the module in the water, and a control system for controlling the intervention operations. The invention also relates to an intervention system and an intervention method.

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26 August 2010

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2009/066918

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. E21B41/04  
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 B63C B63G B25J

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 practical, search terms used)

EPO-Internal, TULSA

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 7 331 394 B2 (EDWARDS ET AL.) 19 February 2008 (2008-02-19) cited in the application column 8, line 1 - line 22 column 8, line 36 - line 64 column 12, line 41 - line 45	1-5, 8-16, 18-23
X	US 3 099 316 A (JOHNSON) 30 July 1963 (1963-07-30)	1
Y	column 3, line 51 - column 4, line 3 column 5, line 47 - column 6, line 31	1-5, 8, 12, 13, 15, 18, 20, 21, 23
Y	US 3 166 123 A (WATKINS) 19 January 1965 (1965-01-19) column 3, line 17 - line 75 column 5, line 27 - line 33	9, 11
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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 document 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

1 July 2010

Date of mailing of the international search report

08/07/2010

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## INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2009/066918

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 3 165 899 A (SHATTO) 19 January 1965 (1965-01-19) column 2, line 30 - column 3, line 57 -----	1, 15
Y	US 6 772 705 B2 (LEONARD ET AL.) 10 August 2004 (2004-08-10) column 4, line 57 - line 59 -----	10
Y	US 4 730 677 A (PEARCE ET AL.) 15 March 1988 (1988-03-15) column 3, line 17 - line 19 -----	14
Y	US 5 390 747 A (WANG ET AL.) 21 February 1995 (1995-02-21) column 6, line 55 - line 68 -----	16
Y	US 2008/203734 A1 (GRIMES ET AL.) 28 August 2008 (2008-08-28) paragraph [0122] -----	16
Y	US 6 058 071 A (WOODALL ET AL.) 2 May 2000 (2000-05-02) * abstract -----	22
Y	NL 9 500 125 A (IHC HOLLAND N.V.) 2 September 1996 (1996-09-02) * abstract -----	19
Y	US 2006/225810 A1 (BAYLOT ET AL.) 12 October 2006 (2006-10-12) * abstract -----	19

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2009/066918

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: 17  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box II.2

Claims Nos.: 17

Claim 17 does not meet the requirements of Article 6 PCT because the matter for which protection is sought is not clearly defined. The claim attempts to define the subject-matter in terms of the result to be achieved, which merely amounts to a statement of the underlying problem, without providing the technical features necessary for achieving this result.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.2), should the problems which led to the Article 17(2) declaration be overcome.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2009/066918

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