Abstract: The present invention relates to an offshore unit (10, 60, 62, 64, 58, 70) which includes hull (12) and/or deck frame (52), a mat (14) attached to at least one connecting leg (16) or a spud can (50) attached to each of at least one connecting leg or lower hull (18) attached to at least one connecting means (66), a wellhead deck (24) is removably attached to the hull (12) and/or deck frame (52) and a subsea clamp in conjunction with a caisson (20) or a subsea conductor frame (32) removable attached to the mat (14) or to the at least one connecting leg (16), where a spud can (50) is attached to each of the at least one connecting leg, or to the lower hull (18). The offshore unit is relocatable and is a platform or a rig capable of performing drilling, production, construction, accommodation, hook-up and commissioning or a combination of any of these functions thereof. The offshore unit is a self elevating mobile platform (10, 60, 62, 64) or submersible platform (70) or semi-submersible platform (58). The present invention also relates to a method of installing a wellhead platform (22) which includes a wellhead deck (24), subsea conductor frame (32) and at least one conductor (26) using an offshore unit (10, 60, 62, 64, 58, 70). The method includes transporting the offshore unit (10, 60, 62, 64, 58, 70) to offshore installation site, installing the offshore unit, installing at least one conductor (26) through the wellhead deck (24) and subsea conductor frame (32) until the at least one conductor (26) penetrate through soil layers to target penetration and securing the wellhead deck (24) to the at least one conductor (26). Alternatively, a subsea clamp in conjunction with a caisson can be pre-installed instead of the subsea conductor frame and offshore installed conductor. The present invention also relates to method of demolizing a self elevating mobile platform (10, 60, 62, 64). Besides that, the present invention relates to method of installing a wellhead platform (22) for exploring hydrocarbon below sea bed which includes a wellhead deck (24) and subsea conductor frame (32) using an offshore unit.
Published:
— with international search report (Art. 21(3))

Date of publication of the international search report:
19 August 2010

Information about Corrections:

Previous Corrections:
see Notice of 17 June 2010
see Notice of 11 March 2010
**A. CLASSIFICATION OF SUBJECT MATTER**

**INV. E21B33/035 E21B41/08**

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 practical, search terms used)

**EPO-Internal, WPI Data**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>A</td>
<td>NL 135 005 C (NV INDUSTRIELE HANDELSCOMBINATIE HOLLAND TE ROTTERDAM) 17 April 1972 (1972-04-17) column 2, line 19 - column 4, line 47; figures 1-6</td>
<td>1-39</td>
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<tr>
<td>A</td>
<td>US 6 869 252 B1 (MAINI RAMESH [US] ET AL) 22 March 2005 (2005-03-22) column 4, line 55 - column 6, line 2; figures 1-6</td>
<td>40-45</td>
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</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

**Date of the actual completion of the international search**

4 May 2010

**Date of mailing of the international search report**

12/05/2010

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

Zuurveld, Gerben
**INTERNATIONAL SEARCH REPORT**

**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.: 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:

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:

see additional sheet.

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.

Form PCT/ISA/210 (continuation of first sheet (2)) (April 2005)
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-39

   An offshore unit with a mat and a removable wellhead deck
   and a sub-sea clamp

2. claims: 40-45

   A method of demobilizing a self elevating mobile platform

3. claims: 46-55

   A method of installing a wellhead platform
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<th>Publication date</th>
<th>Patent family member(s)</th>
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<tr>
<td>NL 135005 C</td>
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<td></td>
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<tr>
<td>US 6869252 B1</td>
<td>22-03-2005</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>US 4658903 A</td>
<td>21-04-1987</td>
<td>GB 2183277 A</td>
<td>03-06-1987</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 1685258 C</td>
<td>11-08-1992</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 61137910 A</td>
<td>25-06-1986</td>
</tr>
<tr>
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<td>NO 166050 B</td>
<td>11-02-1991</td>
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