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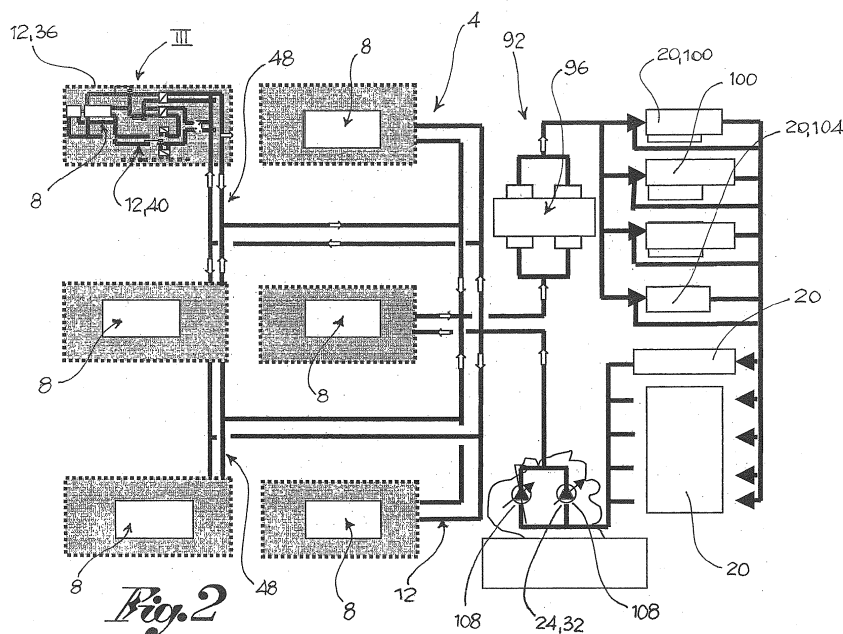
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(54) **Marine installation for energy recovery**

(57) A marine installation (4) for energy recovery comprising at least one engine-generator group (8) for the production of energy, at least one cooling circuit (12) of the engine-generator group (8) and at least one heat exchanger (16) operatively connected to the cooling circuit (12), so as to extract heat energy from the cooling circuit (12) and transfer it to at least one utility (20) of the

ship. Each engine-generator group (8) has its own dedicated cooling circuit (12), so that each cooling circuit (12) can be regulated independently of the others, using its own regulation device (24) to adapt the functioning of the cooling circuit (12) according to the effective and contingent functioning conditions of the relative engine-generator group (8) and to the effective requirement of the utility (20).





## EUROPEAN SEARCH REPORT

Application Number  
EP 09 15 9419

| DOCUMENTS CONSIDERED TO BE RELEVANT   |  |                                  |   |
|---|--|----------------------------------|---|
| Category  | Citation of document with indication, where appropriate, of relevant passages  | Relevant to claim                | CLASSIFICATION OF THE APPLICATION (IPC) |
| X   | US 6 848 382 B1 (BEKKER JOANNES RAYMOND MARI [US]) 1 February 2005 (2005-02-01)<br>* column 4, line 7 - column 6, line 3;<br>figures 1-6 * | 1-20                             | INV.<br>B63J3/04                        |
| X   | US 6 645 017 B1 (SKRZYPEK MARK L [US] ET AL) 11 November 2003 (2003-11-11)<br>* column 3, line 56 - column 4, line 12;<br>figure 2 *       | 1-20                             |   |
| X   | US 2005/064768 A1 (LOWE JERRY W [US]) 24 March 2005 (2005-03-24)<br>* paragraphs [0029] - [0040]; figures 5, 6 *                           | 1-20                             |   |
| The present search report has been drawn up for all claims  |  |                                  | TECHNICAL FIELDS SEARCHED (IPC)         |
|   |  |                                  | B63J                                    |
| Place of search   |  | Date of completion of the search | Examiner                                |
| Munich  |  | 16 July 2012                     | Brumer, Alexandre                       |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons<br/>.....<br/>&amp; : member of the same patent family, corresponding document</p> |  |                                  |   |

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EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 15 9419

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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16-07-2012

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---------------------|----------------------------|---------------------|
| US 6848382                                | B1                  | 01-02-2005                 | NONE                |
| US 6645017                                | B1                  | 11-11-2003                 | NONE                |
| US 2005064768                             | A1                  | 24-03-2005                 | NONE                |