Abstract: A system for producing energy includes expandable vessels that are submerged in a liquid. The vessels are collapsible for sinking in the liquid due to gravitational forces and are expandable for rising in the liquid due to buoyancy forces. In one embodiment, the system includes a tank holding a liquid, an air-tight, expandable vessel disposed within the liquid and being adapted to move reciprocally between upper and lower ends of the tank, a conduit attached to the vessel for passing gas into and out of the vessel, and a linkage for selectively coupling the vessel with a rotatable shaft. The vessel is moveable between a collapsed state in which the vessel sinks in the liquid due to gravitational forces and an expanded state in which the vessel rises in the liquid due to buoyancy forces.
Published:
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INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - F03B 17/02 (2008.04)
USPC - 60/507
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)
IPC(8) - F03B 17/02; F03C 1/00, 1/22, 5/02 (2008.04)
USPC - 60/398, 498-507; 290/42, 43, 63, 54, 415/5, 7; 417/100, 330-333, 337

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)
MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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<tr>
<td>X</td>
<td>US 6,546,726 B1 (TOMIOU) 15 April 2003 (15.04.2003) entire document</td>
<td>1, 2, 6-9, 11, 12, 16, 17, 19-21, 23-25</td>
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<td>GB 507,093 A (HEINISCH) 09 June 1939 (09.06.1939) entire document</td>
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- Further documents are listed in the continuation of Box C.

Date of the actual completion of the international search
15 April 2008

Date of mailing of the international search report
09 MAY 2008

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