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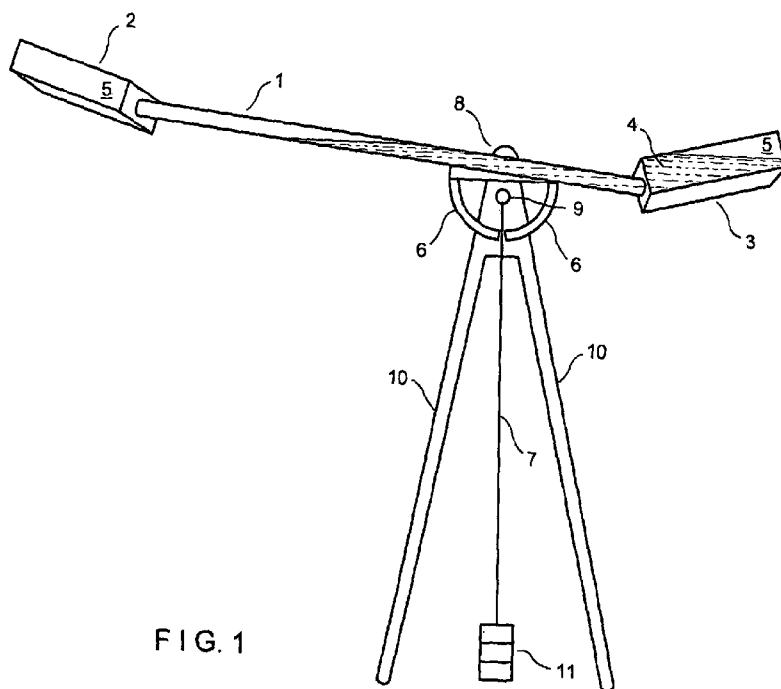


FIG. 1

(57) Abstract: The engine consists of two sealed containers joined by a near horizontally orientated pipe mounted at a point along its length upon a shaft assembly within which is housed an axle about which the device is free to oscillate, and so constructed as to interact with an attuned complementary pendulum. When a temperature differential exists between the two containers, either by means of heating one container (hot leg) and/or cooling the other (cold leg), the consequent increase in pressure in the hot leg forces a quantity of the encased working fluid along the pipe to the cold leg, thereby creating a weight imbalance and changing the device's planar orientation. This change in orientation allows gas to escape from the hot leg, and a cycle is subsequently developed in which liquid is alternately expelled from the hot leg and then readmitted as the device oscillates. Force from this oscillation is transmitted to the pendulum which begins to oscillate at its natural frequency in synchronous interaction with the device. The momentum attained by the pendulum and the torque thereby created can be utilized to perform useful work.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER INV. F03G7/00 ADD..		
According to International Patent Classification (IPC) or to both national classification and IPC		
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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 , PAJ, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/170497 A1 (GLYNN KENNETH P [US]) 8 July 2010 (2010-07-08) abstract figures paragraphs [0036], [0037], [0039] -----	1 - 24
X	AU 2008 201 486 A1 (RICHARD CHAPMAN) 27 November 2008 (2008-11-27) figures 1,2,3 page 4 - page 5 -----	1 - 24
A	DE 10 2005 030683 A1 (SCHAPER RUDOLF [DE]) 11 January 2007 (2007-01-11) the whole document -----	1 - 24
A	FR 1 295 332 A (INST FRANCAIS DU PETROLE) 8 June 1962 (1962-06-08) the whole document -----	1 - 24
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
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INTERNATIONAL SEARCH REPORT

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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