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(54) Title: FEEDBACK GENERATOR

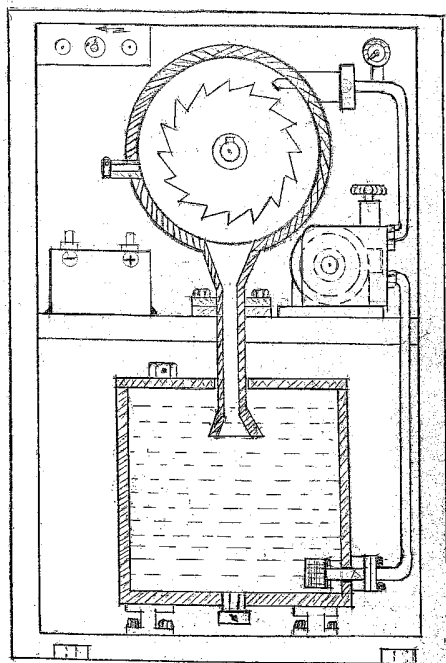


Figure 1

(57) Abstract: Feedback generator consists of (1) electricity generator, (2) water impulse turbine to drive the generator, (4) high-pressure water pump, (6) nozzle for the collection and direction of water onto the hydropower turbine, (7) high-pressure pipe to transfer water from the pipe to the nozzle and afterwards to the hydropower turbine. The high pressure pump drives the generator due to the high pressure of water. As a result, electricity is produced without interruptions. The advantage of this invention is that it, operates without fuel and without natural energy sources.

- *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))*

FEEDBACK GENERATOR

This invention refers to a feedback generator consisting of a generator with hydropower turbine, a hydropower turbine shell, high-pressure water pump, electric motor, high-pressure pipe, nozzle, battery, water collection
5 tank, water collection pipe in the tank.

Electricity is produced from nuclear power, hydrocarbons, natural gas and renewable energy sources. Hydrocarbons, carbon dioxide, toxic and radioactive waste are released in the environment. Renewable energy
10 sources have limited function per year.

An advantage of the feedback generator is that it is not dependent on nuclear or fossil fuel or natural energy sources, creating an electricity production and consumption cycle with sufficient efficiency for the user.

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The characteristic of feedback generator is that the high-pressure pump, through a high-pressure pipe bearing a nozzle at its end, forwards water to the hydropower turbine. The latter drives the generator producing electricity and charges the battery. From the amount of electricity
20 produced, one part is consumed by the electric motor of the pump and the rest of it is given for consumption. Figure 1 shows a perspective of the feedback generator. Figure 2 shows the plan view of the feedback generator. A possible application of the invention is described with reference to the figures. The feedback generator consists of (1) electricity
25 generator, (2) hydropower turbine to drive the generator, (3) hydropower turbine shell for the collection of water, (4) high-pressure water pump, (5) electric motor to drive the pump, (6) nozzle for the collection and

direction of water onto the hydropower turbine, (7) high-pressure pipe to transfer water from the pipe to the nozzle, (8) battery to store and distribute electricity, (9) water collection tank, (10) water collection pipe
5 in the tank.

The figures displayed here use one pump and one battery. We can use more pumps and batteries depending on the size of the turbine. Oil can be used instead of water.

CLAIMS

- 1.Feedback generator comprises of (1) electricity generator, (2) hydropower turbine to drive the generator, (3) hydropower turbine shell for the collection of water, (4) high-pressure water pump, (5) electric motor to drive the pump, (6) nozzle for the collection and direction of
- 5 water onto the hydropower turbine, (7) high-pressure pipe to transfer water from the pipe to the nozzle, (8) battery to store and distribute electricity, (9) water collection tank, (10) water collection pipe in the tank.
- 10 2. The feedback generator is characterized by the fact that the generator, through the hydropower turbine, is driven by the high-pressure pump through the high-pressure pipe and the nozzle.

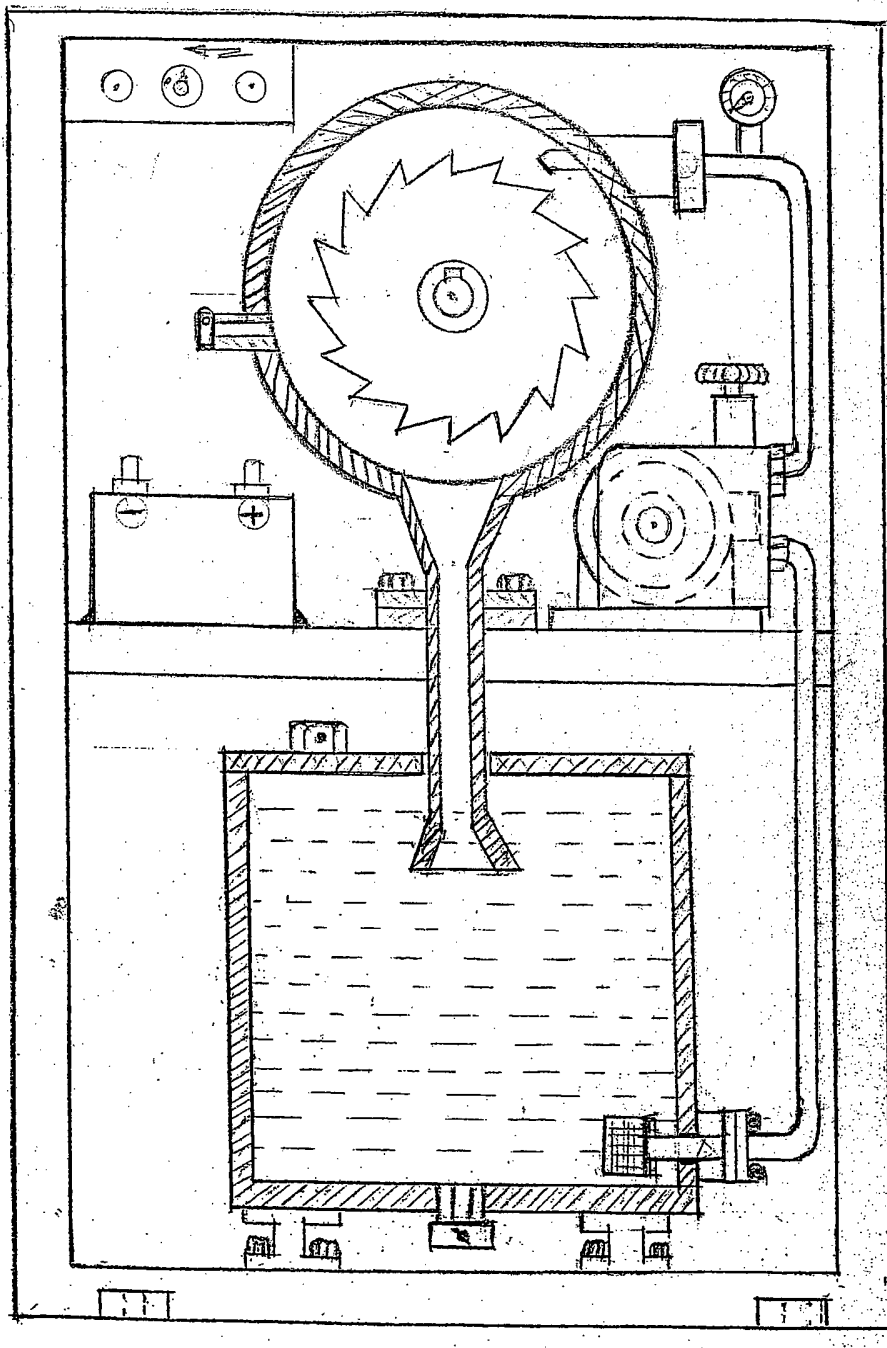


Figure 1

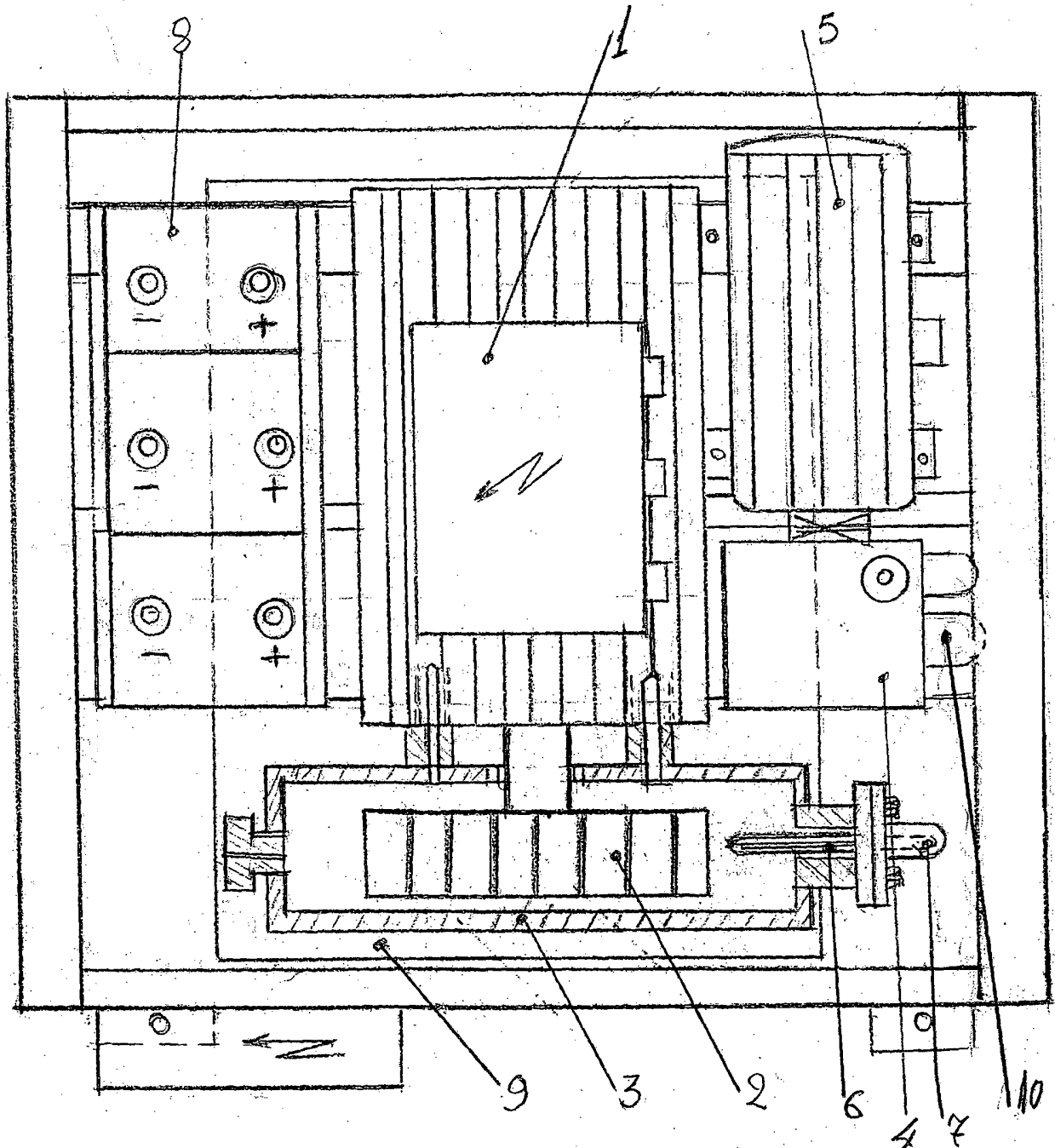


Figure 2

INTERNATIONAL SEARCH REPORT

International application No PCT/GR2013/000053

A. CLASSIFICATION OF SUBJECT MATTER INV. F03B17/00 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) F03B		
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, 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 2008/238104 A1 (DALE THOMAS W [US]) 2 October 2008 (2008-10-02) paragraphs [0002], [0009], [0027], [0028]; figures 1-3 -----	1,2
X	US 4 086 764 A (BROWN STEVEN H ET AL) 2 May 1978 (1978-05-02) column 3, line 13 - line 51; figures 1, 5 -----	1,2
X	WO 2007/125149 A1 (MATEO GARCIA HECTOR [ES]; MATEO GARCIA JOSE IGNACIO [ES]) 8 November 2007 (2007-11-08) abstract; figures 1, 2 -----	1,2
X	US 4 345 160 A (SMITH J T) 17 August 1982 (1982-08-17) column 2, line 22 - column 3, line 54; figures 1-4 -----	1,2
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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	"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	
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"P" document published prior to the international filing date but later than the priority date claimed		
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Publication date	Patent family member(s)	Publication date
US 2008238104	A1	02-10-2008	NONE	

US 4086764	A	02-05-1978	NONE	

WO 2007125149	A1	08-11-2007	ES 2302428 A1 WO 2007125149 A1	01-07-2008 08-11-2007

US 4345160	A	17-08-1982	NONE	
