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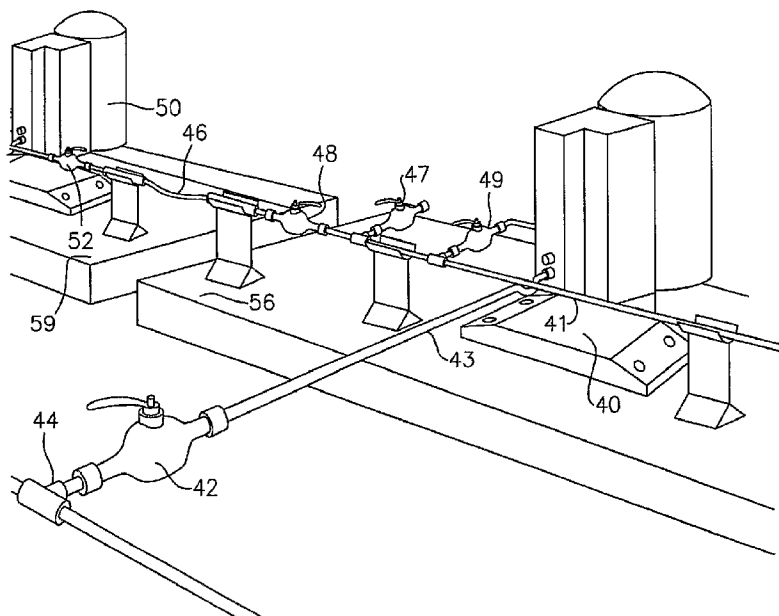
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(54) Title: A MACHINE AND SYSTEM FOR POWER GENERATION THROUGH MOVEMENT OF WATER



(57) Abstract: A system for power generation through movement of water having an array of power generating cells hydraulically interconnected where the array is composed of cells in an interchangeable modular arrangement, the cells are positioned to receive kinetic energy from the movement of water, and the cells convert the energy by the movement of water through a turbine that drives a hydraulic pump. The hydraulic pumps may be hydraulically isolated from each other and are connected through a hydraulic motor to a generator which may be an AC synchronous induction motor. The power generating cell may also be comprised of a single turbine and hydraulic pump combination that in turn drives a motor.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/12826

A. CLASSIFICATION OF SUBJECT MATTER

IPC: F16D 31/02(2006.01);F03B 13/00(2006.01)

USPC: 60/398,495;290/43,52

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)

U.S. : 60/398, 495, 497; 290/43, 52

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,364,228 A (ELLER) 21 December 1982 (21.12.1982), see figures 1, 4-6	9-10
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Y		1-8, 11-12
Y	US 4,850,190 A (PITTS) 25 July 1989 (25.07.1989), see figures 1-2	1-12
Y	US 3,426,540 A (FIXEL) 11 February 1969 (11.02.1969), see figure 1.	12

☐ Further documents are listed in the continuation of Box C. ☐ 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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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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