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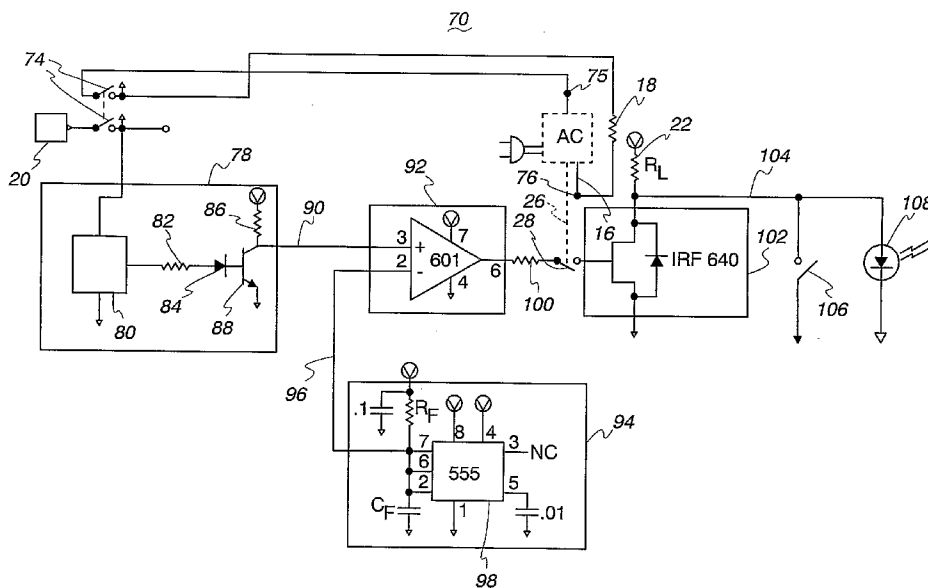
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(54) Title: PORTABLE ENERGY CONSUMING DEVICE



(57) Abstract: An improved portable energy consuming device that uses an external power source to store kinetic energy in the device until a desired level is reached and then the external power source is disconnected from the device to form a portable device and an internal power source is automatically used to maintain the desired kinetic energy level. Thus, the external power source causes at least one device load to reach a desired operating level such as temperature and then, when the device is removed from a base on which it is mounted, the external power source is disconnected and an internal power source is automatically connected to the at least one device load to cause it to just maintain the desired operating level. A control circuit is coupled between the internal power source and its associated internal load to cause only sufficient power to be supplied to the load to maintain the desired operating level.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US05/10788

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **A45D 20/12**( 2006.01)  
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 USPC: 34/380,97  
 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. : 34/380, 97  
  
 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)  
 EAST , PALM

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,155,925 A (CHOI) 20 October 1992, (20.10.1992), column 2 lines 14-55.	1-53
A	US 6,327,428 B1 (LO et al) 04 December 2001 (04.12.2001), column 4 lines 5-65.	1-53
A	US 4,757,183 A (KAREY et al) 12 June 1988 (12.06.1988), column 3 lines 3-66.	1-53

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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