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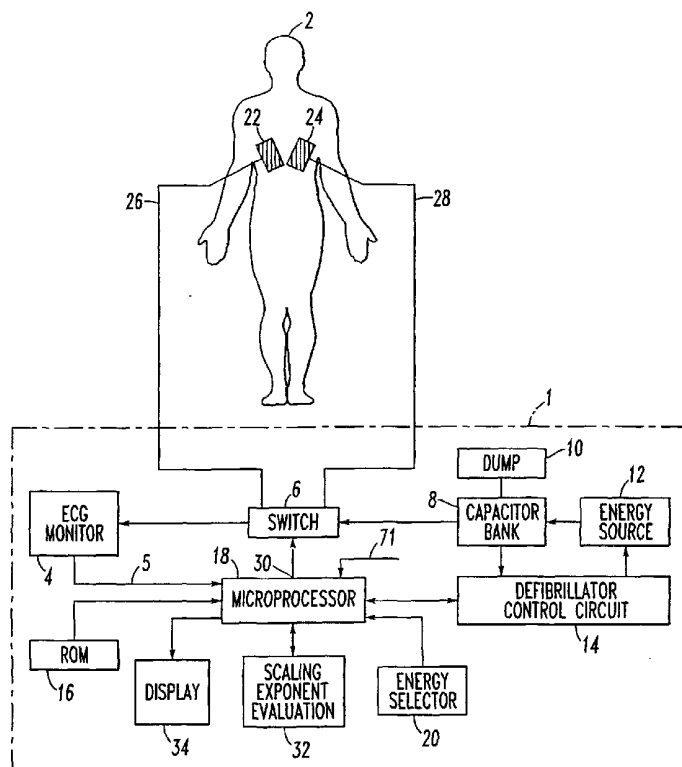
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[Continued on next page]

(54) Title: METHOD AND APPARATUS EMPLOYING A SCALING EXPONENT FOR SELECTIVELY DEFIBRILLATING A PATIENT



(57) Abstract: A defibrillator (1), which selectively delivers a defibrillation pulse to a patient (2), includes electrodes (22, 24) adapted for placement on the patient, a monitoring circuit (4) for providing an electrocardiogram (ECG) of the patient (2), and a defibrillation pulse generator (12) having an energy store (8). A switch (6) in electrical communication with the ECG monitoring circuit (4) and the defibrillation pulse generator (12) selectively electrically connects the monitoring circuit (4) and the defibrillation pulse generator (12) to the electrodes (22, 24). A microprocessor (18) is in electrical communication with the monitoring circuit (4), the defibrillation pulse generator (12), and the switch (6). The microprocessor (18) causes the switch (6) to electrically connect the monitoring circuit (4) and the defibrillation pulse generator (12) to the electrodes (22, 24) in order to provide the ECG of the patient (2). The microprocessor (18) also determines a scaling exponent for the patient from the ECG. The microprocessor (18) further compares the scaling exponent to a predetermined value and selectively causes the switch (6) to electrically connect the defibrillation pulse generator (12) to the electrodes (22, 24) in order that the energy store (8) delivers the defibrillation pulse to the patient (2).



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INTERNATIONAL SEARCH REPORT

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 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. : 607/4-8, 142; 600/508-509, 515, 518

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,643,325 A (Karagueuzian et al) 01 July 1997 (01.07.1997), Fig. 7, Col. 6, line 12- Col. 7, line 16	1-2, 36 ----- 3-4
Y	US 5,999,852 A (Elabbady et al.) 07 December 1999 (07.12.1999), Fig. 2	3-4

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"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
"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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"O" document referring to an oral disclosure, use, exhibition or other means	
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