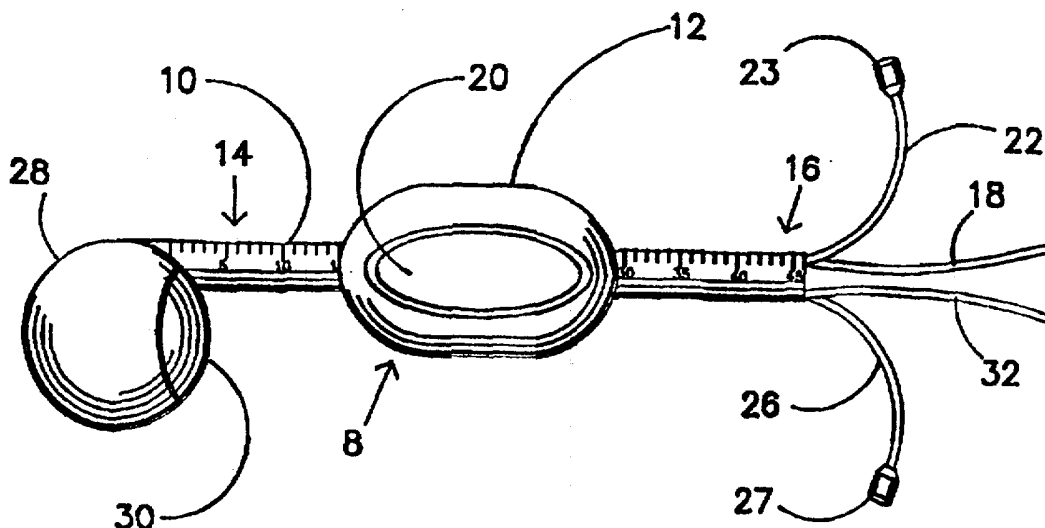




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(54) Title: ADJUNCT TO CARDIOPULMONARY RESUSCITATION AND COUNTERSHOCK

**(57) Abstract**

An apparatus for aiding in the treatment of cardiac arrest patients which includes a flexible tube (10) having an elongated bladder (12) attached between its opposite ends and a stomach bladder (28) attached to its distal end. Each bladder has a conductive portion (20, 30) which serves as an electrode. The esophageal bladder serves as a platform by hardening the esophagus behind the heart. The heart is then compressed between the sternum and the hardened esophageal bladder, thus enhancing artificial circulation. A defibrillation countershock is administered through the low impedance pathway between the stomach and esophageal electrodes in order to defibrillate the heart.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US94/10713

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : A61N 1/05

US CL : 607/005

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. : 607/005, 002, 004, 124, 116, 119, 133; 128/642

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 | US, A, 4,198,963 (Barkalow et al.) 22 April 1980, see entire document. | 1, 2 and 16 |

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

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Date of the actual completion of the international search

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