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— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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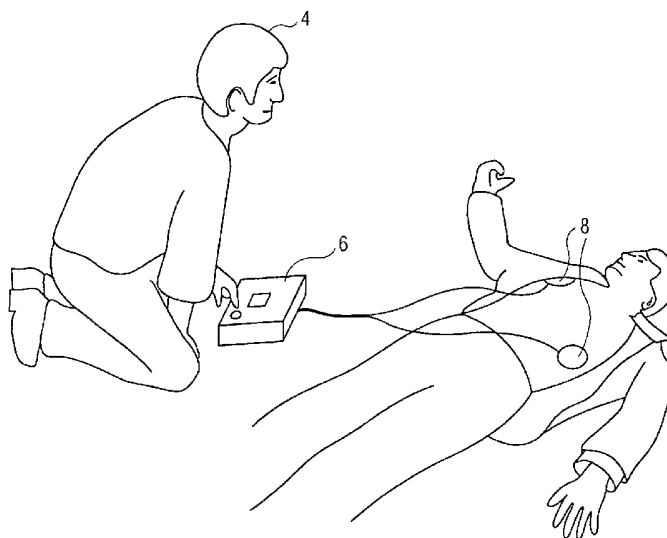
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

- (54) Title: EXTERNAL DEFIBRILLATOR WITH PRE-CPR-ECG BASED DEFIBRILLATING SHOCK



- (57) Abstract: A defibrillator (6) having a pair of electrodes (8) for delivering an artifact-compensated defibrillation shock and a method thereof is provided. Electrocardiographic (ECG) data representative of an ECG signal is acquired for the patient and the ECG data is analyzed to determine whether administration of a defibrillating shock is appropriate. A cardiopulmonary resuscitation (CPR) interval is initiated subsequent to the acquisition of ECG data. Upon completion of the CPR interval, and if administration of a defibrillating shock is determined to be appropriate from the ECG data, arming the AED (6) for delivery of the defibrillation shock to the patient.

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INTERNATIONAL SEARCH REPORT

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|---|---|-----------------------|---|---|
| A. CLASSIFICATION OF SUBJECT MATTER A61N1/39 | | | | |
| 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) A61N | | | | |
| 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 practical, 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 2004/143298 A1 (NOVA RICHARD C ET AL) 22 July 2004 (2004-07-22) | 15-18,20 | | |
| Y | paragraphs '0032!', '0033!', '0048!', '0050!', '0053!', '0063!; figure 8A | 19 | | |
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| A | WO 2004/058351 A (AXON MEDICAL, INC; WESTENSKOW, DWAYNE, R; ORR, JOSEPH, A; SYROID, NOAH) 15 July 2004 (2004-07-15) the whole document | 15-20 | | |
| <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 : | | | | |
| <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none; vertical-align: top;"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *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 </td> <td style="width:50%; border: none; vertical-align: top;"> *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 *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 *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family </td> </tr> </table> | | | *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *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 | *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 *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 *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family |
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| Date of the actual completion of the international search | Date of mailing of the international search report | | | |
| 2 February 2006 | 08/02/2006 | | | |
| Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Edward, V | | | |

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2005/052420

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 1-14
because they relate to subject matter not required to be searched by this Authority, namely:

Independent claim 1 relates to a method for delivering a defibrillation shock to a patient which is considered to be a method for treatment of the human or animal body by therapy (Rule 39.1(iv) PCT)
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Int onal application No
PCT, IB2005/052420

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