(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 15 February 2007 (15.02.2007)

PCT

(10) International Publication Number WO 2007/019325 A3

(51) International Patent Classification: *A61N 1/39* (2006.01)

(21) International Application Number:

PCT/US2006/030473

(22) International Filing Date: 4 August 2006 (04.08.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/705,351 4 August 2005 (04.08.2005) US

(71) Applicant (for all designated States except US): ACCESS CARDIOSYSTEMS, INC. [US/US]; 2352 Main Street, Suite 104, Concord, MA 01742 (US).

(72) Inventor; and

- (75) Inventor/Applicant (for US only): BOWERS, Kyle, R. [US/US]; 120 Blanchard Road, Boxborough, MA 1719 (US).
- (74) Agent: SLEZAK, Margaret, M.; Pandiscio & Pandiscio, P.C., 470 Totten Pond Road, Waltham, MA 02451 (US).
- (81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

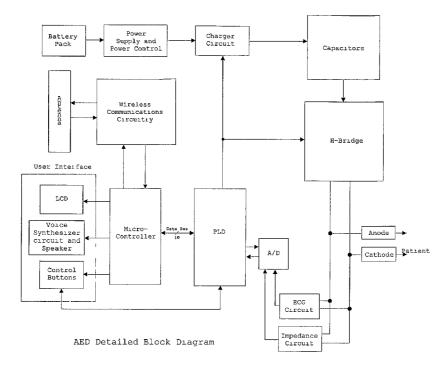
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 22 November 2007

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: AUTOMATIC EXTERNAL DEFIBRILLATOR (AED) WITH WIRELESS COMMUNICATIONS



(57) **Abstract:** An Automatic External Defibrillator (AED) with wireless communications contained within the device, The wireless system is used to contact a remote emergency specialist. The remote instructor guides the lay rescuer through the resuscitation effort, thereby increasing the likelihood for successful defibrillation.



INTERNATIONAL SEARCH REPORT

International application No PCT/US06/30473

A CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61N 01/39 (2007 01)

USPC - 607/005

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - A61 N 01/39 (2007 01)

USPC - 607/005

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) USPTO WEST System (US, USPG-PUB)

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 2003/0233129 A 1 (MATOS) 18 December 2003 (18 12 2003) entire document	1-16, 20-23
Y		17-19
Y	US 2004/0082972 A 1 (LIN et al) 29 April 2004 (29 04 2004) entire document	17-19
Α	US 6,597,948 B1 (ROCKWELL et al) 22 July 2003 (22 07 2003) entire document	1-23
A	US 6,321,1 13 B1 (PARKER et al) 20 November 2001 (20 11 2001) entire document	1-23
,		
		1

Further documents are listed in the continuation of Box C

D

- * Special categories of cited documents
- 'A" document defining the general state of the art which is not considered to be of particular relevance
- E^{\ast} $\,$ earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority clatm(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- D" 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 pirtonty date and not in conflict with the application but cited to undfeerstand 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 an
- 'Sc" document member of the same patent family

Date of the actual completion of the international search

Name and mailing address of the ISA/US

Mail Stop PCT, Attn ISA/US, Commissioner for Patents P O Box 1450 Alexand π a Virginia 22313-1450

Facsimile No 571-273-3201

22 June 2007

Date of mailing of the international search report

Authorized officer Blaine R

Blaine R Copenheaver

PCT HelpdesK 57I₁277 4300 PCT OSP 577 2SP 1774

Form PCT/ISA/2 10 (second sheet) (April 2007)