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13/559,955 27 July 2012 (27.07.2012) US(71) Applicant (for all designated States except US): **ZOLL MEDICAL CORPORATION** [US/US]; 269 Mill Road, Chelmsford, MA 01824 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SKELTON, Brian, J.** [US/US]; 1064 Wilmette Terrace, Lake Zurich, IL 60047 (US). **BOGDANOWICZ, Les** [US/US]; 420 N. Washington, Park Ridge, IL 60068 (US). **GARRETT, Michael, C.** [US/US]; 1140 Isabella Street, Wilmette, IL 60091 (US).(74) Agent: **BACKOFEN, Paul, J.**; Crockett & Crockett, PC, 26020 Acero, Suite 200, Mission Viejo, CA 92691 (US).

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(54) Title: METHOD AND APPARATUS FOR MONITORING MANUAL CHEST COMPRESSION EFFICIENCY DURING CPR

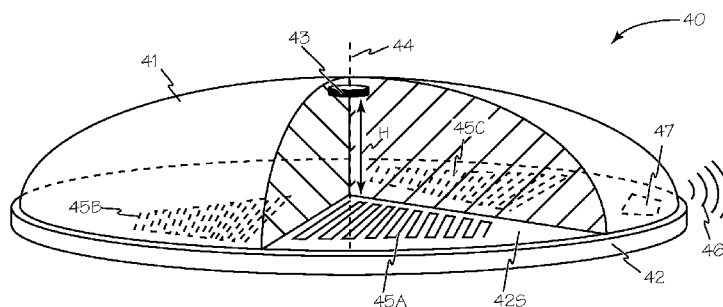


Fig 6

(57) Abstract: The compression measurement and feedback system measures the magnitude and the angle of manual CPR force applied to a patient and provides the measured magnitude and direction information as compression data feedback to the person applying CPR to the patient. Any variation in the magnitude or direction of the compression force applied may be calculated from the compression data measured by the compression sensor. A monitor receives the compression data and processes the compression data to generate feedback data to the CPR provider indicating the magnitude and direction of the applied CPR compression along with ideal CPR compression characteristics for comparison.

A. CLASSIFICATION OF SUBJECT MATTER*A61B 5/00(2006.01)i*

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)

A61B 5/00; A61H 31/00; A61B 5/113; G09B 23/28; A61B 5/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: CPR, compression, magnitude, direction

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010-0256539 A1 (STRAND GEIR et al.) 07 October 2010	1-4, 6, 10
A	See abstract, paragraphs [0061],[0069]-[0070],[0095]-[0097], claims 42-48 and figures 3-15.	5, 7-9, 11, 12
Y	WO 2010-148078 A2 (SIMQUEST LLC et al.) 23 December 2010	1-4, 6, 9
	See abstract, paragraphs [0060],[0103], claims 1,5-6 and figures 1,7.	
X	US 2006-0019229 A1 (KENNETH MORALLEE et al.) 26 January 2006	8
Y	See abstract, paragraphs [0028]-[0043], claim 1, and figures 1-4.	9, 10
A		1-7, 11-12
A	US 2002-0193711 A1 (HENRY R. HALPERIN et al.) 19 December 2002	1-12
	See abstract, paragraphs [0037]-[0053],[0061]-[0071], claims 1-3 and figures 3-5,9.	



Further documents are listed in the continuation of Box C.



See patent family annex.

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189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan
City, 302-701, Republic of Korea

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Authorized officer

KIM Tae Hoon

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Information on patent family members

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