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(54) **Method for accurate determining of CPR chest compression depth in real time**

(57) Method for accurately determining the real time CPR chest compression depth exercised on a patient by a performer by using an acceleration signal and a reference signal.

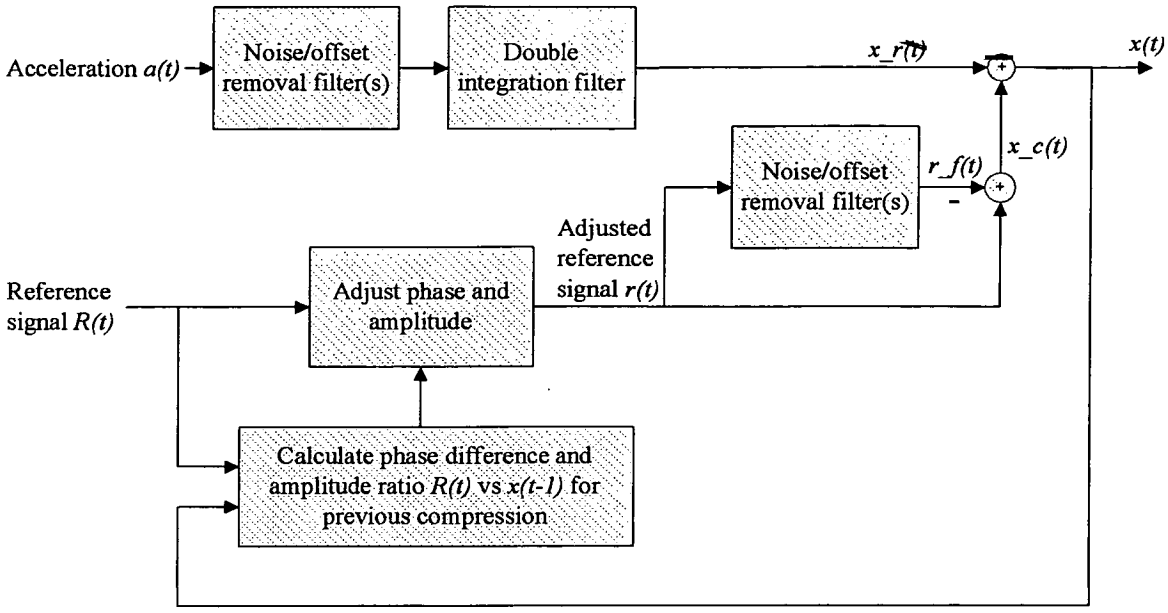

Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 08 25 0519

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2004/082888 A1 (PALAZZOLO JAMES ADAM [US] ET AL) 29 April 2004 (2004-04-29) * abstract; claim 21; figures 1,5,28-31 *	1	INV. A61B5/00
A	WO 00/27464 A (EMERGENCY MEDICAL SYSTEMS INC [US] REVIVANT CORP [US]) 18 May 2000 (2000-05-18) * the whole document *	1-12	
A,D	US 6 306 107 B1 (MYKLEBUST HELGE [NO] ET AL) 23 October 2001 (2001-10-23) * the whole document *	1-12	

TECHNICAL FIELDS SEARCHED (IPC)

A61H
A61B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	12 October 2009	Mennerun, Steeve

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 08 25 0519

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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12-10-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004082888 A1	29-04-2004	AU 2003291656 A1	13-05-2004
		CA 2503544 A1	06-05-2004
		EP 1558193 A2	03-08-2005
		JP 2006503659 T	02-02-2006
		WO 2004037154 A2	06-05-2004
		US 2009112135 A1	30-04-2009
		US 2004210170 A1	21-10-2004
		US 2004210171 A1	21-10-2004
		US 2004210172 A1	21-10-2004
WO 0027464 A	18-05-2000	AU 2146500 A	29-05-2000
		EP 1128795 A2	05-09-2001
		JP 2002529157 T	10-09-2002
		US 2002165471 A1	07-11-2002
		US 2002193711 A1	19-12-2002
		US 6390996 B1	21-05-2002
		US 2002055694 A1	09-05-2002
US 6306107 B1	23-10-2001	AT 429204 T	15-05-2009
		AU 762259 B2	19-06-2003
		AU 3261400 A	07-12-2000
		EP 1057451 A2	06-12-2000
		JP 2001037740 A	13-02-2001
		NO 992611 A	01-12-2000

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	实时准确确定CPR胸部按压深度的方法		
公开(公告)号	EP1985228A3	公开(公告)日	2009-11-18
申请号	EP2008250519	申请日	2008-02-13
[标]申请(专利权)人(译)	挪度医疗器械有限公司		
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代理机构(译)	onsagers公司		
优先权	2007002969 2007-02-15 GB		
其他公开文献	EP1985228A2		
外部链接	Espacenet		

摘要(译)

通过使用加速度信号和参考信号精确地确定表演者对患者行使的实时CPR胸部按压深度的方法。

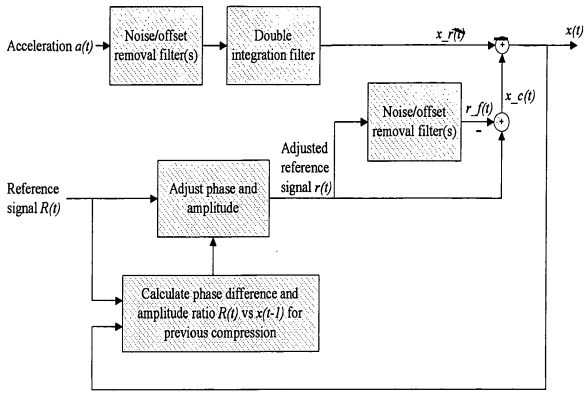

Fig. 1