



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
06.03.2013 Bulletin 2013/10

(51) Int Cl.:
A61H 31/00 (2006.01)

(43) Date of publication A2:
07.11.2012 Bulletin 2012/45

(21) Application number: **12178683.4**

(22) Date of filing: **14.10.2004**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

(30) Priority: **14.10.2003 US 686184**
14.10.2003 US 686185
14.10.2003 US 686186

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
04795152.0 / 1 684 687

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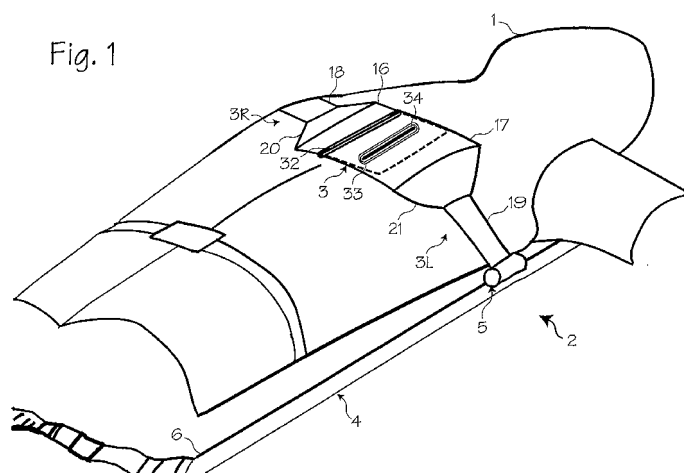
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(54) **Compression belt system for use with chest compression devices**

(57) A compression belt cartridge (5) has a double-oar shaped belt (3) and a cover plate (44) through which the belt (3) is threaded. The cover plate (44) is provided with hooks (51, 52, 53, 54) and snap latches (47, 48, 49, 50) that fit into a belt drive platform (4). The cover plate

(44) is sized and dimensioned to fit within only selected platforms. The belt (3) attaches to the means for tightening (42) the belt (3) via a spline (66) attached to the belt (3). The means for tightening (42) a belt (3) then repetitively tightens the belt (3), thereby accomplishing chest compressions.





EUROPEAN SEARCH REPORT

Application Number
EP 12 17 8683

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 6 066 106 A (SHERMAN DARREN R [US] ET AL) 23 May 2000 (2000-05-23)	1-4,9-11	INV. A61H31/00
A	* column 5, line 24 - column 6, line 37; figures 1-3 *	5-8	
A	----- WO 00/27334 A2 (UNIV JOHNS HOPKINS [US]; HALPERIN HENRY R [US]) 18 May 2000 (2000-05-18) * figures 2-4 *	1-11	
A	----- US 5 577 515 A (STOUT RICHARD R [US] ET AL) 26 November 1996 (1996-11-26) * column 1, lines 8-50; figures *	11	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			A61H
Place of search		Date of completion of the search	Examiner
Munich		25 January 2013	Fischer, Elmar
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.92 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 12 17 8683

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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25-01-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6066106 A	23-05-2000	AT 384511 T	15-02-2008
		AU 4087899 A	20-12-1999
		AU 2003271345 A1	29-01-2004
		AU 2006230724 A1	09-11-2006
		AU 2009200833 A1	19-03-2009
		AU 2011201820 A1	19-05-2011
		BR 9910786 A	25-02-2004
		CA 2333510 A1	09-12-1999
		CA 2588503 A1	09-12-1999
		CA 2775937 A1	09-12-1999
		DE 69938046 T2	15-01-2009
		EP 1091721 A1	18-04-2001
		EP 1929988 A2	11-06-2008
		EP 2298268 A2	23-03-2011
		ES 2300146 T3	01-06-2008
		ES 2368359 T3	16-11-2011
		JP 4375903 B2	02-12-2009
		JP 2003520053 A	02-07-2003
		JP 2009183723 A	20-08-2009
		NO 20006001 A	25-01-2001
		US 6066106 A	23-05-2000
		US 6398745 B1	04-06-2002
		US 2002156401 A1	24-10-2002
		US 2004193076 A1	30-09-2004
		US 2008300516 A1	04-12-2008
		US 2012130290 A1	24-05-2012
		WO 9962458 A1	09-12-1999
WO 0027334 A2	18-05-2000	AU 1611200 A	29-05-2000
		CA 2349851 A1	18-05-2000
		EP 1128794 A2	05-09-2001
		US 2002026131 A1	28-02-2002
		US 2006229535 A1	12-10-2006
		US 2009204036 A1	13-08-2009
		WO 0027334 A2	18-05-2000
US 5577515 A	26-11-1996	NONE	