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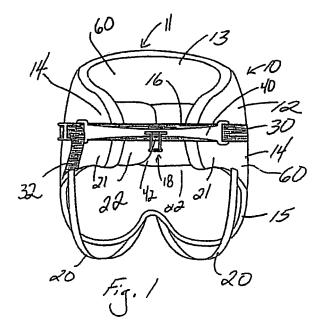
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(54) **Buoyancy harness**

(57) A buoyancy harness for connecting a rider to a water sport apparatus, comprises a body portion (12), a fastener (16), and a connector (18). The body portion may take the form of a waist or seat harness that is configured to encircle at least a portion of the lower abdomen of the rider and possibly a portion of the pelvic region. At least a portion of the body portion (12) is comprised of

at least one layer of buoyant material (26). The body portion may also include a water permeable material that permits trapped water to pass through the harness. The fastener (16) is operably connected to the body portion (12) and is configured to secure the body portion to at least a portion of the rider. The connector (18) is also operably connected to the body portion and is configured for operable attachment to the water sport apparatus.





EUROPEAN SEARCH REPORT

Application Number EP 05 07 6892

	DOCUMENTS CONSIDE	RED TO BE RELEVANT			
Category	Citation of document with ind of relevant passage		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
X,D	US 4 545 773 A (EVER 8 October 1985 (1985	-10-08)	1,8,9, 12,13, 16-18	B63B35/79	
Υ	* column 3, line 30 figures *	- column 7, line 49;	2-7,11		
Х	WO 2004/011329 A (FR MADDEN, RONALD, JEFF 5 February 2004 (200		1,4,8, 11-13,16		
Υ	* abstract; figures		2,5,17, 18		
Υ	EP 0 405 955 A (NEIL 2 January 1991 (1991		3-6, 11-13, 17,18		
	* column 2, line 19 figures *	- column 4, line 55;	17,10		
Y,D	US 4 047 255 A (KIEF 13 September 1977 (1 * abstract; figures	977-09-13)	11-13	TECHNICAL FIELDS SEARCHED (IPC)	
Y	US 5 660 572 A (BUCk 26 August 1997 (1997 * abstract; figures	-08-26)	2,7	B63B B63C	
	The present search report has be	en drawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
	Munich	24 February 2006	Moy	a, E	
X : part Y : part docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anothe iment of the same category inological background	L : document cited fo	eument, but publise n the application or other reasons	hed on, or	
O : non-written disclosure P : intermediate document			 member of the same patent family, corresponding document 		

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

EP 05 07 6892

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

24-02-2006

EP 0405955 A 02-01-1991 GB 2233542 A 16-01-1993 JP 3128793 A 31-05-1993	WO 2004011329 A 05-02-2004 AU 2003265300 A1 16-02-2004 EP 0405955 A 02-01-1991 GB 2233542 A 16-01-1993 JP 3128793 A 31-05-1993 US 5069153 A 03-12-1993 US 4047255 A 13-09-1977 NONE	Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0405955 A 02-01-1991 GB 2233542 A 16-01-1999 JP 3128793 A 31-05-1999 US 5069153 A 03-12-1999 US 4047255 A 13-09-1977 NONE	EP 0405955 A 02-01-1991 GB 2233542 A 16-01-1999 JP 3128793 A 31-05-1999 US 5069153 A 03-12-1999 US 4047255 A 13-09-1977 NONE	US 4545773	Α	08-10-1985	NONE	
JP 3128793 A 31-05-1999 US 5069153 A 03-12-1999 US 4047255 A 13-09-1977 NONE	JP 3128793 A 31-05-1999 US 5069153 A 03-12-1999 US 4047255 A 13-09-1977 NONE	WO 2004011329	Α	05-02-2004	AU 2003265300 A1	16-02-2004
		EP 0405955	Α	02-01-1991	JP 3128793 A	31-05-199
US 5660572 A 26-08-1997 NONE	US 5660572 A 26-08-1997 NONE	US 4047255	Α	13-09-1977	NONE	
		US 5660572	Α	26-08-1997	NONE	

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