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**(54) Gas cylinder connection**

(57) A connector for connecting a breathing gas cylinder to a respiratory device is described. Instead of the normal screw connection a bayonet fitting is used. In embodiments, a male connector 100 is fitted to the res-

piratory device. It has a stud 4 and a handwheel 8 which rotates around the stud 4. Pins 9 extend into the interior of the handwheel 4 and engage with the mounting flange 33 of a female type connector 110 which is connected to a cylinder valve 2 of a compressed air cylinder.

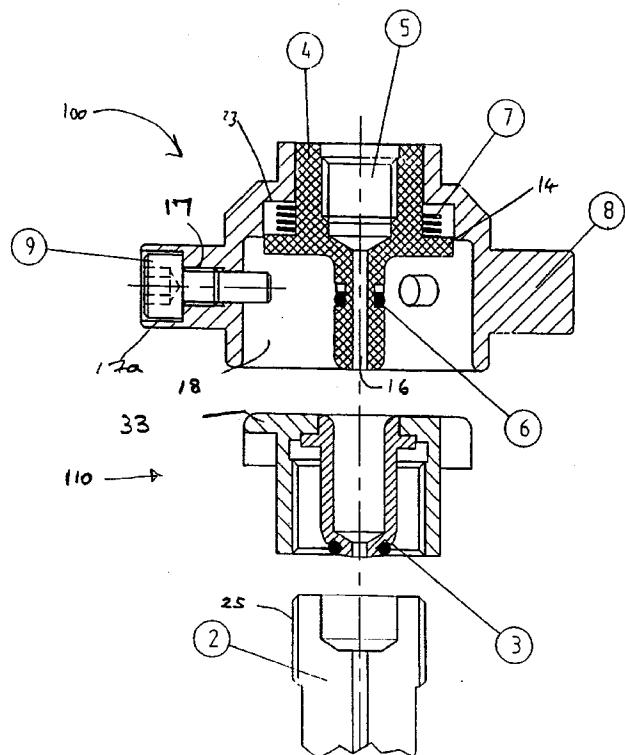


FIG. 2



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## EUROPEAN SEARCH REPORT

Application Number  
EP 97 30 2545

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	WO 94 15804 A (KNIGHT LOCK SYSTEMS LTD) 21 July 1994 * the whole document * ----	1,10,11	A62B9/04
A	DE 18 02 814 A (DRÄGERWERK AG) 11 June 1970 * page 5, line 9 - page 8, line 19; figures * ----	1,10,11	
A	GB 2 135 198 A (SIEBE GORMAN & CO LTD) 30 August 1984 ----		
A	EP 0 645 163 A (RACAL HEALTH & SAFETY LTD) 29 March 1995 -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A62B
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search		Examiner
THE HAGUE	26 January 1999		Triantaphillou, P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			

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

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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.

26-01-1999

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 9415804	A	21-07-1994	AU	5839094 A	15-08-1994
			CA	2153980 A	21-07-1994
			GB	2289925 A, B	06-12-1995
			ZA	9400256 A	17-07-1995
DE 1802814	A	11-06-1970	NONE		
GB 2135198	A	30-08-1984	AU	562758 B	18-06-1987
			AU	2450684 A	23-08-1984
			DE	3405237 A	16-08-1984
			US	4534344 A	13-08-1985
			ZA	8400917 A	26-09-1984
EP 645163	A	29-03-1995	AU	676365 B	06-03-1997
			AU	7416594 A	06-04-1995
			EP	0885631 A	23-12-1998
			EP	0884069 A	16-12-1998
			GB	2282213 A, B	29-03-1995
			GB	2315116 A, B	21-01-1998
			GB	2315117 A, B	21-01-1998
			US	5501213 A	26-03-1996