



(12)

EUROPEAN PATENT APPLICATION

(21) Application number : **94301791.3**

(51) Int. Cl.⁵ : **B63C 11/22, B63C 11/08**

(22) Date of filing : **14.03.94**

(30) Priority : **15.03.93 GB 9305256**

(43) Date of publication of application :
21.09.94 Bulletin 94/38

(84) Designated Contracting States :
BE DE ES FR IE IT NL SE

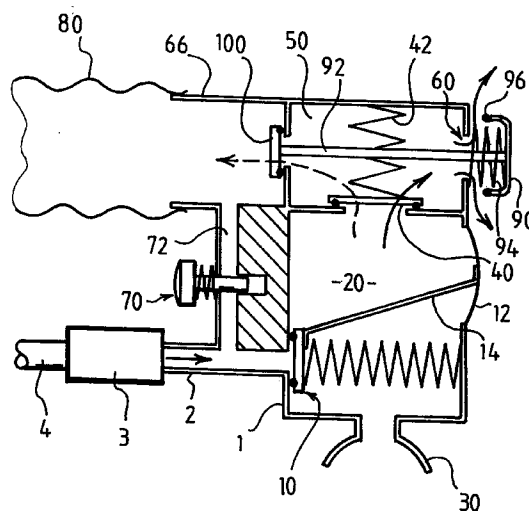
(88) Date of deferred publication of search report :
17.11.94 Bulletin 94/46

(71) Applicant : **Craske, Stephen Allan**
15 Queens Terrace
Exeter, Devon EX4 4HJ (GB)

(72) Inventor : **Craske, Stephen Allan**
15 Queens Terrace
Exeter, Devon EX4 4HJ (GB)

(54) **Scuba breathing apparatus.**

(57) Air is inhaled from a high pressure supply via a demand valve 10, a main breathing chamber 20, and a mouthpiece 30. Exhaled air passes through chamber 20, exhaust valve 40, and a secondary chamber 50, to exit via an exhaust port 60. A buoyancy jacket can be inflated from the high pressure supply via a first button-operated valve 70 and a flexible conduit 80. The jacket can also be inflated from mouthpiece 30 by depressing a second button 90 to sealably close port 60 and open a buoyancy valve 100 between chamber 50 and conduit 80. The non-return exhaust valve 40 allows air to flow in one direction from mouthpiece to jacket but prevents reverse flow.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 94 30 1791

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.5)
X	US-A-4 137 585 (W.WRIGHT) * column 11, line 11 - column 12, line 46; figures 8,10-12 * ---	1,2	B63C11/22 B63C11/08
A	EP-A-0 318 157 (A.VALVES) * abstract; figures * * column 7, line 55 - column 10, line 15 * ---	1	
A	GB-A-2 084 881 (R.PEAKMAN) * abstract; figures * ---	1	
A	MACHINE DESIGN, vol.37, no.19, 19 August 1965 page 26 'Scuba Life Jacket Safeguards Downed Pilot' -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			B63C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 September 1994	Examiner Stierman, E
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	

EPO FORM 1503 01.92 (P04C01)