

12

EUROPEAN PATENT APPLICATION

21 Application number: **85308211.3**

51 Int. Cl.⁴: **A 62 B 9/00, A 62 B 7/10**

22 Date of filing: **12.11.85**

30 Priority: **13.11.84 GB 8428689**

43 Date of publication of application: **28.05.86**
Bulletin 86/22

84 Designated Contracting States: **DE FR GB SE**

88 Date of deferred publication of search
report: **22.02.89 Bulletin 89/8**

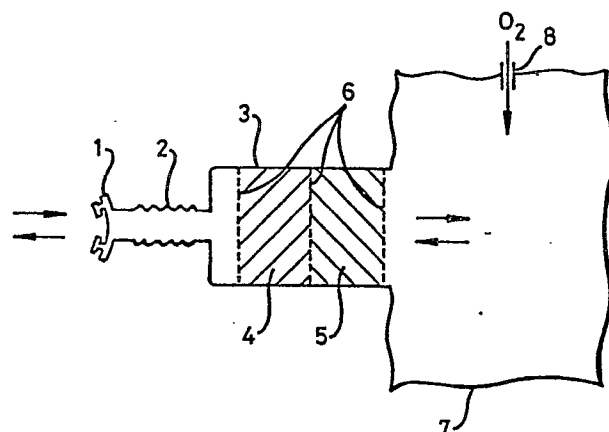
71 Applicant: **LIFE SUPPORT ENGINEERING LTD., Robell
Way, Storrington Sussex RH20 3DN (GB)**

72 Inventor: **Richards, Brian John, 36 Carpenters,
Billingshurst W. Sussex, RH14 9RB (GB)**

74 Representative: **Morton, Colin David et al, Keith W Nash
& Co. Pearl Assurance House 90-92 Regent Street,
Cambridge CB2 1DP (GB)**

54 **Improvements in closed circuit breathing apparatus.**

57 A closed circuit breathing apparatus comprising a mouthpiece (1) coupled to a counterlung (7) to which oxygen is admitted on demand by the wearer, a medium (5) provided between the mouthpiece and the counterlung to absorb the exhaled carbon dioxide and a chemical heat exchanger (4) in the form of activated carbon to reduce the temperature and relative humidity of the exhaled purified air resulting from the exothermic reaction in the carbon dioxide absorbing medium.



EP 0 182 581 A3



European Patent
Office

EUROPEAN SEARCH REPORT

0182581

Application Number

EP 85 30 8211

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.3)
D,A	GB-A-1 057 155 (SIEBE GORMAN) * claim 1 * ---	1,2	A 62 B 9/00 A 62 B 7/10
A	DE-U-1 695 812 (DRAEGERWERK) * claims 1,2; figure * ---	1,2	
A	DE-U-1 683 508 (AUERGES.) * claim; figure * ---	1	
A	DE-U-1 957 176 (DRAEGERWERK) * claim 1; figure 1* ---	1,2	
A	FR-A-1 378 659 (DRAEGER) * figure; page 1, right hand column, lines 9-11 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.3)
			A 62 B 7/00 A 62 B 9/00 A 62 B 19/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 18-11-1988	Examiner KANAL P K
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			