



**EUROPEAN PATENT APPLICATION**

Application number : **91306895.3**

Int. Cl.<sup>5</sup> : **A42B 3/14, A44B 11/22**

Date of filing : **29.07.91**

Priority : **08.08.90 GB 9017366**

Date of publication of application :  
**12.02.92 Bulletin 92/07**

Designated Contracting States :  
**AT BE DE DK ES FR GB IT LU NL SE**

Date of deferred publication of search report :  
**01.04.92 Bulletin 92/14**

Applicant : **Helmets Limited**  
**Moat Factory Wheathampstead**  
**St. Albans, Herts. AL4 8QT (GB)**

Inventor : **Briggs, Adrian Lawrence Spencer**  
**98, Grace Way**  
**Stevenage, Herts. SG1 5AE (GB)**  
Inventor : **Dampney, Ian Trevor**  
**326 Kensal Road**  
**London W10 5BZ (GB)**

Representative : **Coleman, Stanley et al**  
**MATHYS & SQUIRE 10 Fleet Street**  
**London EC4Y 1AY (GB)**

**Protective helmet with adjustable headband.**

There is disclosed a protective helmet having an outer shell, a lining (10) of impact resistant material, a cradle (24,26,28) of webbing extending within and fastened to the lining and an adjustable headband (42) secured to the lining. The headband comprises a rear headband member which extends adjacent a lower edge (20) along opposite sides (16) and adjacent the rear (14) of the lining and is anchored at opposite ends (52) respectively at forwardly disposed locations of the lining, and, a front headband member (44) pivotally carried at its opposite ends (60) on the rear headband member at opposite sides of the lining whereby the front headband member can be rotated between a first operative position in which it serves as part of the headband a second retracted position within the lining in which space is provided at the front of the lining to enable the helmet to be fitted to the head of a user wearing breathing apparatus over a marginal portion of said apparatus engaging the brow of the user. Also disclosed is a buckle for varying the embrace of the headband.

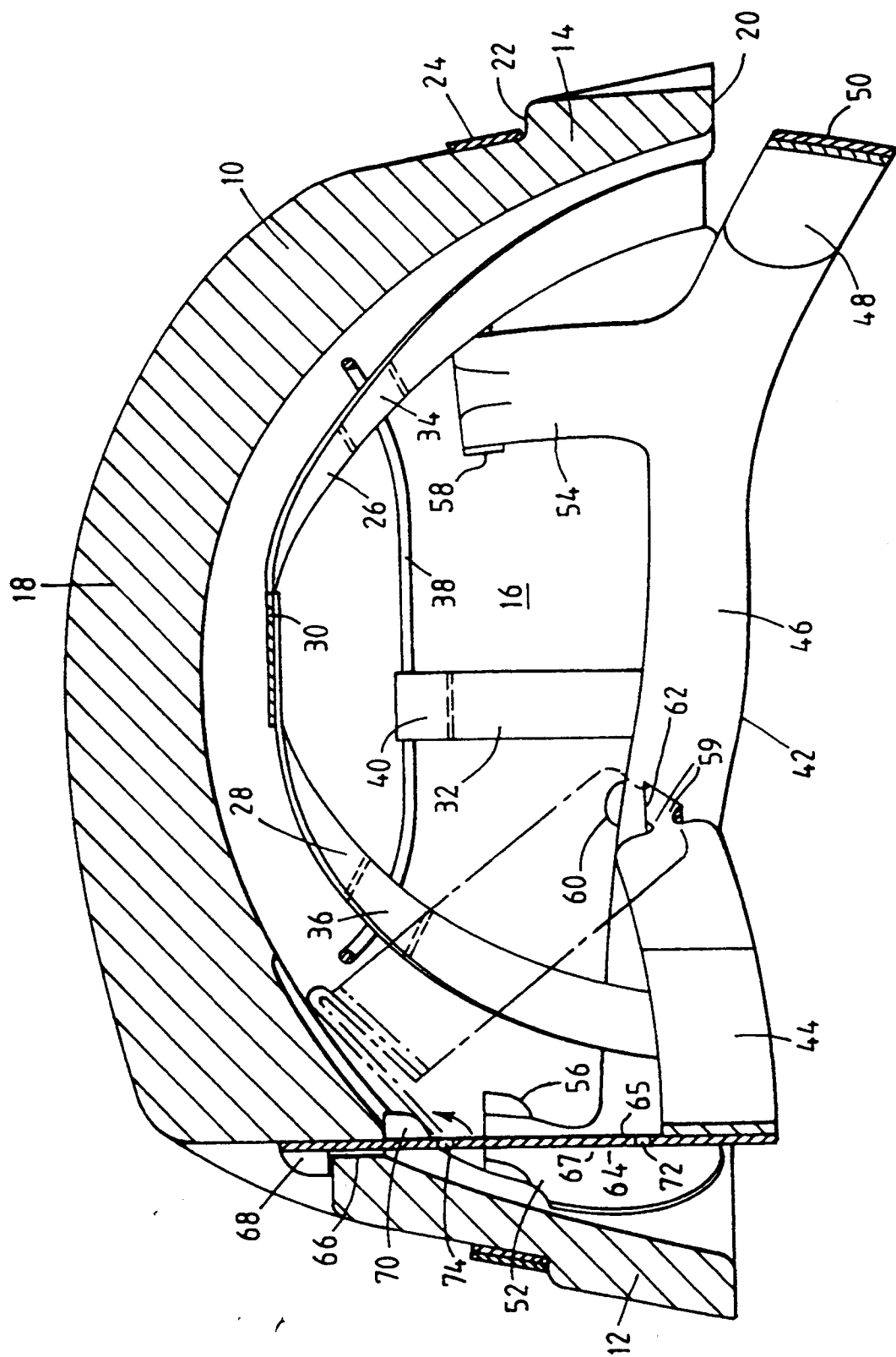


FIG. 1



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number

EP 91 30 6895

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)
A	EP-A-0 369 187 (CAIRNS & BROTHER INCORPORATED) * Column 4, line 5 - column 5, line 5; column 6, lines 35-58; figures 1,3,8 *	1	A 42 B 3/14 A 44 B 11/22
A	WO-A-9 014 778 (ARAN FIRE AND SAFETY (UK) LTD)		
A	US-A-4 286 339 (P. A. COOMBS)		
A	US-A-3 510 879 (D. D. WEBB)		
A	US-A-2 814 043 (A. L. ALESI)		
A	DE-U-1 943 635 (TURNWALD GmbH)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			A 42 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-10-1991	Examiner BOURSEAU A.M.
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03.82 (P0401)



European Patent  
Office

EP 91 30 6895

### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

See sheet -B-

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1-6



European Patent  
Office

EP 91 30 6895

-B-

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-6 : Headband for helmet comprising a rear headband member and a front headband member, said front headband member being rotatable between two operative positions.
2. Claims 7-13 : Buckle for adjusting the overlap of the free ends of the two parts composing the rear headband member.