



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 120 338 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
08.01.2003 Bulletin 2003/02

(51) Int Cl.7: **B63C 11/12**, A61F 9/02,
A63B 33/00

(43) Date of publication A2:
01.08.2001 Bulletin 2001/31

(21) Application number: **00112568.1**

(22) Date of filing: **14.06.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
• **Barone, Aristide**
16035 Rapallo, Province of Genova (IT)
• **Silvestri, Andrea**
16149 Genova (IT)

(30) Priority: **28.01.2000 IT GE200003 U**

(74) Representative: **Porsia, Attilio, Dr.**
c/o Succ. Ing. Fischetti & Weber
Via Caffaro 3/2
16124 Genova (IT)

(71) Applicant: **HTM SPORT S.p.A.**
16035 Rapallo (Genova) (IT)

(54) **Diving mask with strap provided with regulation means**

(57) Diving mask consisting of a stiff body (2), which connects a face (1) made of elastomeric material and a crystal (4) one to the other, and of a strap (3) connected to the sides of said face (1), the regulation means (213) for the tension of said strap (3) being spaced out from the ends of said strap connected to the face (1) of the

mask; said strap (3) consists of: two spacers (101; 103; 403; 503; 603) made of elastically extensible and preferably elastomeric material, connected on one end to the face (1) of the mask, and provided on the other end with return means (111; 133) for a flexible, though not extensible, band-shaped element (203), provided on its ends with closing means and regulation means (213).

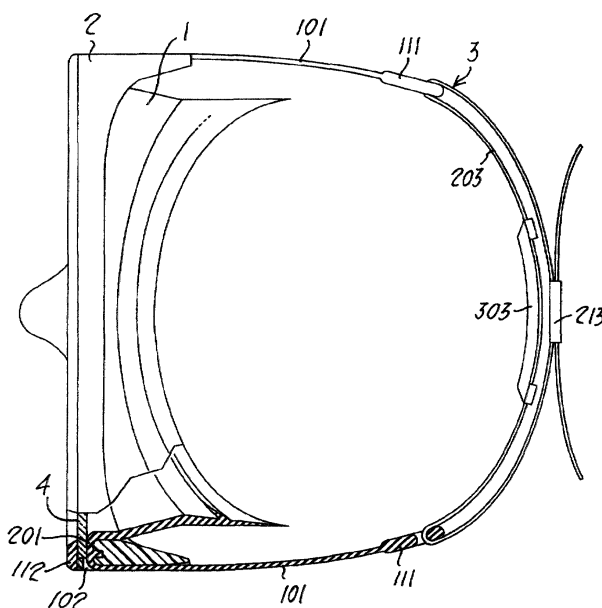


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 11 2568

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.7)
A,D	EP 0 732 259 A (HTM SPORT SPA) 18 September 1996 (1996-09-18) * column 2, line 1 - line 50; figures 1,2 *	1-4	B63C11/12 A61F9/02 A63B33/00
A	US 2 758 309 A (BARATELLI CHARLES A) 14 August 1956 (1956-08-14) * column 2, line 50 - line 64; figure 1 *	1-4	
A	US 5 734 995 A (CHIANG HERMAN) 7 April 1998 (1998-04-07) * column 3, line 62 - line 67; figure 2 *	2	
A	US 4 649 577 A (WIEDNER KLAUS) 17 March 1987 (1987-03-17) * column 2, line 32 - column 3, line 16; figures 1-3 *	3,4	
A	US 5 596 771 A (HSU CHAO-CHIN ET AL) 28 January 1997 (1997-01-28) * column 2, line 24 - line 56; figures 3-6 *	4	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B63C A61F A63B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 November 2002	Examiner DE SENA HERNAND..., A
<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 & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 B2 (P04C01)

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

EP 00 11 2568

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.

13-11-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0732259	A	18-09-1996	IT	GE950025 A1	16-09-1996
			DE	69601139 D1	28-01-1999
			DE	69601139 T2	10-06-1999
			EP	0732259 A1	18-09-1996
			JP	8257166 A	08-10-1996
			US	5881394 A	16-03-1999

US 2758309	A	14-08-1956	NONE		

US 5734995	A	07-04-1998	AU	712805 B2	18-11-1999
			DE	29606609 U1	18-07-1996
			AU	5034496 A	02-10-1997
			US	5901382 A	11-05-1999
			US	6151720 A	28-11-2000
			AU	729328 B2	01-02-2001
			AU	4881299 A	18-11-1999

US 4649577	A	17-03-1987	EP	0224608 A1	10-06-1987
			AT	53936 T	15-07-1990
			AU	574551 B2	07-07-1988
			AU	5225686 A	16-07-1987
			DE	3578310 D1	26-07-1990

US 5596771	A	28-01-1997	NONE		
