

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 861 606 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
18.11.1998 Bulletin 1998/47

(51) Int. Cl.⁶: **A42B 3/04**

(43) Date of publication A2:
02.09.1998 Bulletin 1998/36

(21) Application number: **97120841.8**

(22) Date of filing: **27.11.1997**

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

(30) Priority: **28.11.1996 IT MI962481**

(71) Applicant: **GFM S.r.l.**
43100 Parma (IT)

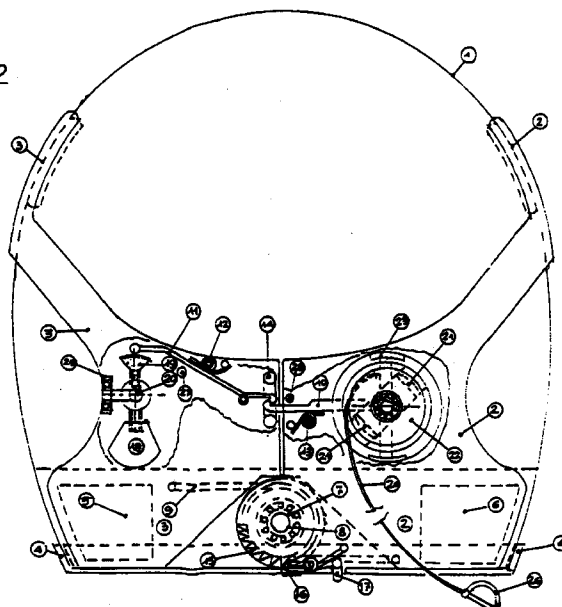
(72) Inventor: **Mozzati, Gianfranco**
20090 Pioltello (Milano) (IT)

(54) Mechanical safety device for crash helmets

(57) A safety device for crash helmets directly adaptable to conventional crash helmets (1) or encompassed in newly manufactured helmets, characterized by rotating appendages (2,3) triggered by inertial sen-

sors (22,27). This invention is particularly suitable for preventing irregular movements, compression and rotation of the neck caused by accident trauma.

FIG. 2



EP 0 861 606 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 12 0841

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	FR 2 700 746 A (R. SCHEGERIN) 29 July 1994 * page 3, line 10 - line 12 * * page 4, line 7 - line 13 * * page 5, lines 1-4, 10-22 * * figures 1-3 *	1,6,7	A42B3/04
A	US 5 517 699 A (G. E. ABRAHAM, II) 21 May 1996		
A	US 5 272 770 A (R. K. ALLEN ET AL.) 28 December 1993		
A	US 5 444 870 A (D. PINSEN) 29 August 1995		
A	DE 44 16 847 A (TEMIC BAYERN-CHEMIE AIRBAG GMBH) 16 November 1995		
A	WO 93 07772 A (S. ARCHER) 29 April 1993		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A42B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 September 1998	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 (P04C01)