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54 Plate for fastening of the chin strap to the protective helmet for motorcyclists, moped riders and other uses.

57 The device consists of a circular plastic plate (1) exhibiting a flange (1') that is inserted in a complementary circular seat (3) of the helmet cover (2) which is also plastic.

The bridge 1'', which holds the chin strap (7), is solid with the plate.

The plate is inserted from the outside of the cover (2) (in the direction of arrow 8) and can rotate around its axis to allow angular orientation of the strap (7) in the most suitable position at the time of the fastening the strap under the chin.

An elastically deformable peripheral projection (1''') holds the plate (1) in the helmet cover.

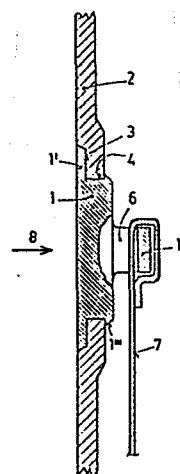


Fig. 2

Plate for fastening of the chin strap to the protective helmet for
motorcyclists, moped riders and other uses

The invention has as its object a plate that carries the bridge for fastening of the chin strap in protective helmets for motorcyclists, moped riders and for other uses.

Plates carrying the bridge for fastening of the chin strap to the
5 protective helmet for motorcyclists, moped riders and for other uses are already known. See, for example, Swiss patent application No 8344/80-0 filed on November 11, 1980 by the same applicant.

Said plates, however, have the disadvantage of not being mobile, i.e., angularly orientable to allow the strap to be placed in the most
10 suitable position at the time of fastening the strip under the chin.

The plate according to the invention completely eliminates said drawback.

This plate is characterized in that for each strap the plate that carries the bridge for fastening of the strap is angularly mobile in its
15 seat to allow orienting of the strap bridge in the most suitable position at the time of fastening the strap under the chin, said plate being held by the seat made in the helmet cover, by a retaining slot that allows insertion of the plate from the outside of the helmet cover into the seat and holds it, while allowing its angular rotation; at least a peripheral
20 projection of said plate, making it possible to keep the plate from slipping outward.

For greater clarity, the accompanying drawing shows a preferred nonlimiting embodiment of the plate according to the invention.

Fig 1 shows a front view from the inside of the helmet, i.e., at
25 the bridge for fastening the strap and without the strap.

Fig 2 shows the cross section of figure 1 made along the plane going through II-II.

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The plate consists of a circular disk 1, solid with bridge 1' which holds strap 7 going through the groove 6 located between bridge 1' and disk 1.

Disk 1 and the corresponding bridge 1" are made of synthetic resins, preferably in one piece, by the pressure casting process or another known process.

Helmet cover 2 is also made completely of synthetic resins to avoid using metal parts that in the long run could rust.

Helmet cover 2 exhibits a seat 3 in which flange 1' of disk 1 rests so that plate 1 cannot slip outward, i.e., cannot slip out in the direction opposite that indicated by arrow 8.

In this way, strap 7 can be fastened quite tightly under the chin without disk 1 being able to come out of its seat 3.

But the essential part of this invention consists in the fact that plate 1 can be moved angularly, i.e., can rotate around its axis in seat 3 of cover 2, allowing strap 7 to be oriented in the most suitable angular position at the time it is fastened under the chin.

The applicant is not aware that plates meeting this condition exist.

To keep plate 1 from being able to slip out in the direction opposite arrow 8, i.e., outward, elastically deformable projection 1" is provided, which is introduced by force into the circular opening 4 of cover 2, an opening that is also elastically deformable so that plate 1 remains stably anchored in its seat, while being able to rotate without requiring metal retaining parts.

The shape of plate 1, bridge 1", flange 1', seat 3 and projection 1" can vary in any way provided they allow the angular orientation of the plate, always within the scope of protection of the patent.

Claims

1. Plate for fastening the chin strap to the protective helmet for motorcyclists, moped riders and for other uses, characterized in that for each strap the plate (1) which carries the bridge (1") for fastening the strap (7) is angularly mobile in its seat (3) to allow orienting of
5 the bridge (1") of the strap in the most suitable position at the time of fastening the strap under the chin, said plate (1) being held by seat (3) made in the helmet cover (2) by a retaining slot (3) that allows insertion of the plate from the outside (8) of the helmet cover (2) into the seat and holds it, while allowing its angular rotation; at least a peripheral
10 projection (1'') of said plate making it possible to keep said plate from slipping outward.

2. Plate as in claim 1, wherein it consists of a circular disk exhibiting an outside peripheral flange (1') that is inserted in a complementary depression (3) made in the seat of the helmet cover (2),
15 at least a projection (1''') on the outside periphery of the disk, a projection that is elastically deformable during introduction of the plate into the opening (4), which is also elastically deformable, provided in the helmet cover (2), making it possible to keep the plate from slipping outward.

20 3. Plate as in claims 1 and 2, wherein it exhibits openings that serve for better audibility.

4. Plate as in claims 1, 2, 3, wherein it and the helmet cover (2) are made of synthetic resins.

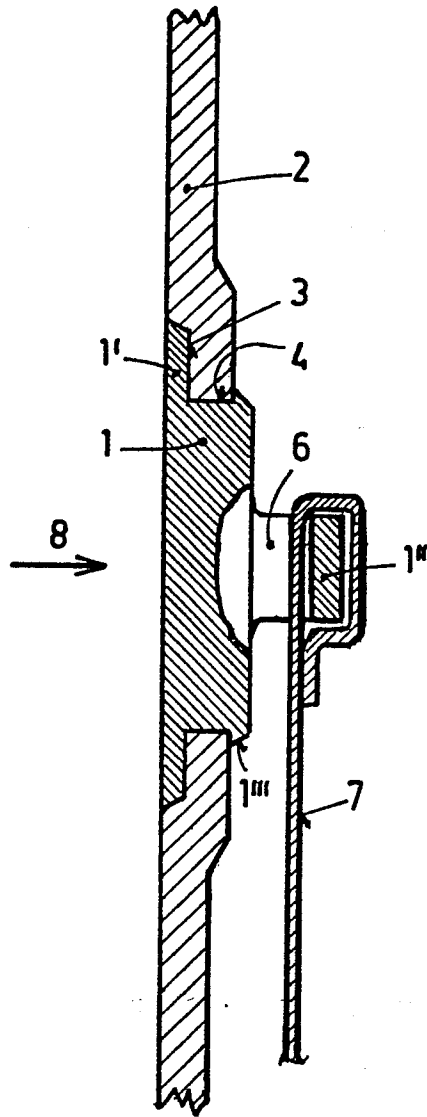


Fig. 2

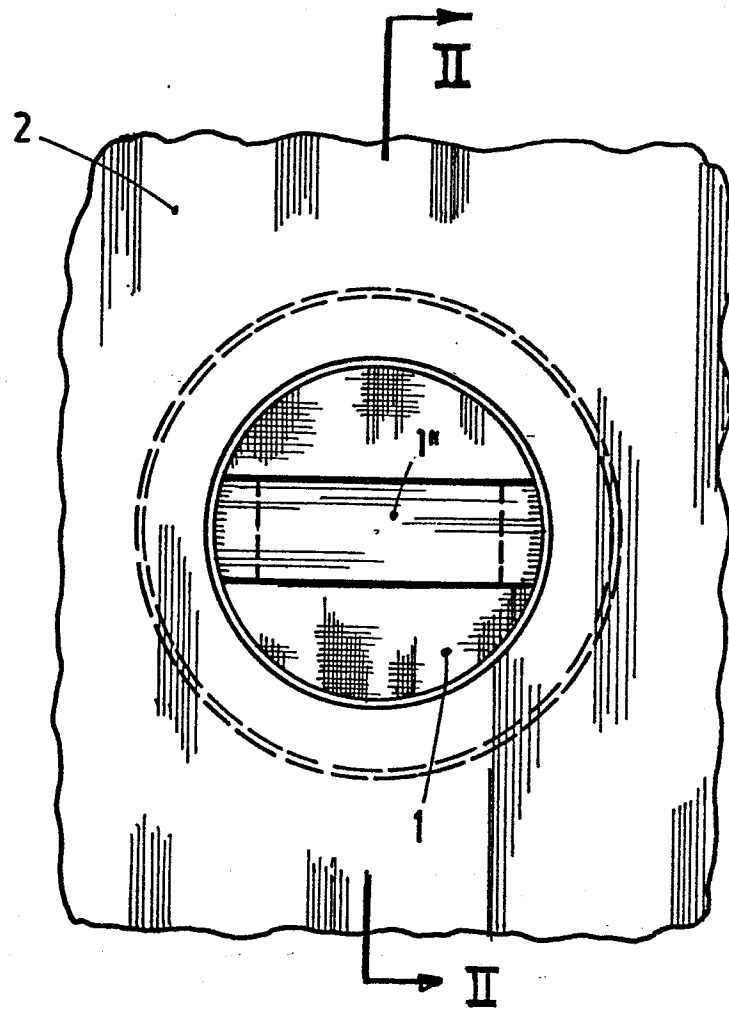


Fig. 1



European Patent
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EUROPEAN SEARCH REPORT

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Application number

EP 84 81 0209

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)
A	US-A-3 495 272 (TEMPELHOF) * Column 1, lines 14-26; column 2, lines 38-47, 50-60; figures 1,3,5 *	1,2,4	A 42 B 3/00
A	GB-A- 544 383 (LASTEX YARN AND LACTRON THREAD) * Page 4, lines 84-92; figures 5,6,15 *	1,4	
A	GB-A-1 452 627 (HIROTAKE ARAI) * Page 1, line 92 - page 2, line 42; claim 1; figures 1-4 *	1,4	
A	DE-A-3 235 948 (NAVA) * Claims; figure *	1,2,4	
A	DE-U-8 200 572 (UVEX) * Whole document *	1,2,4	TECHNICAL FIELDS SEARCHED (Int. Cl. 3) A 42 B
D,A	EP-A-0 052 068 (KIWI) * Claims; figures *	1,2,4	
A	FR-A-1 214 768 (LANCHA) * Abstract; figures *	3	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18-07-1984	Examiner BOURSEAU A.M.
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			