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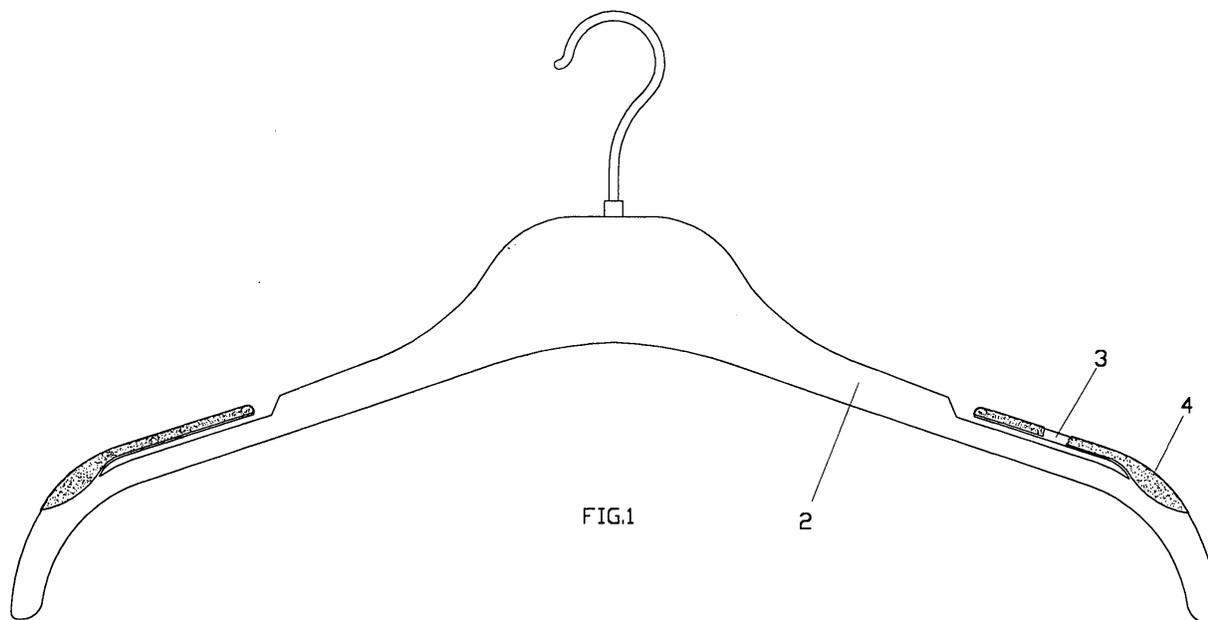
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(54) **Improved hanger**

(57) The finding concerns an improved hanger, of the type provided with a clip in the upper part of both shoulders, known in technical terms as the "notch". Such a hanger is characterised in that the clips (3) are

covered with an anti-slip material (4',4"), deposited by over-moulding, smearing, pasting or with other known state of the art methods. The two upper clips (3) are made of two distinct and separate elements with respect to the arch-shaped body (2) of the hanger itself.



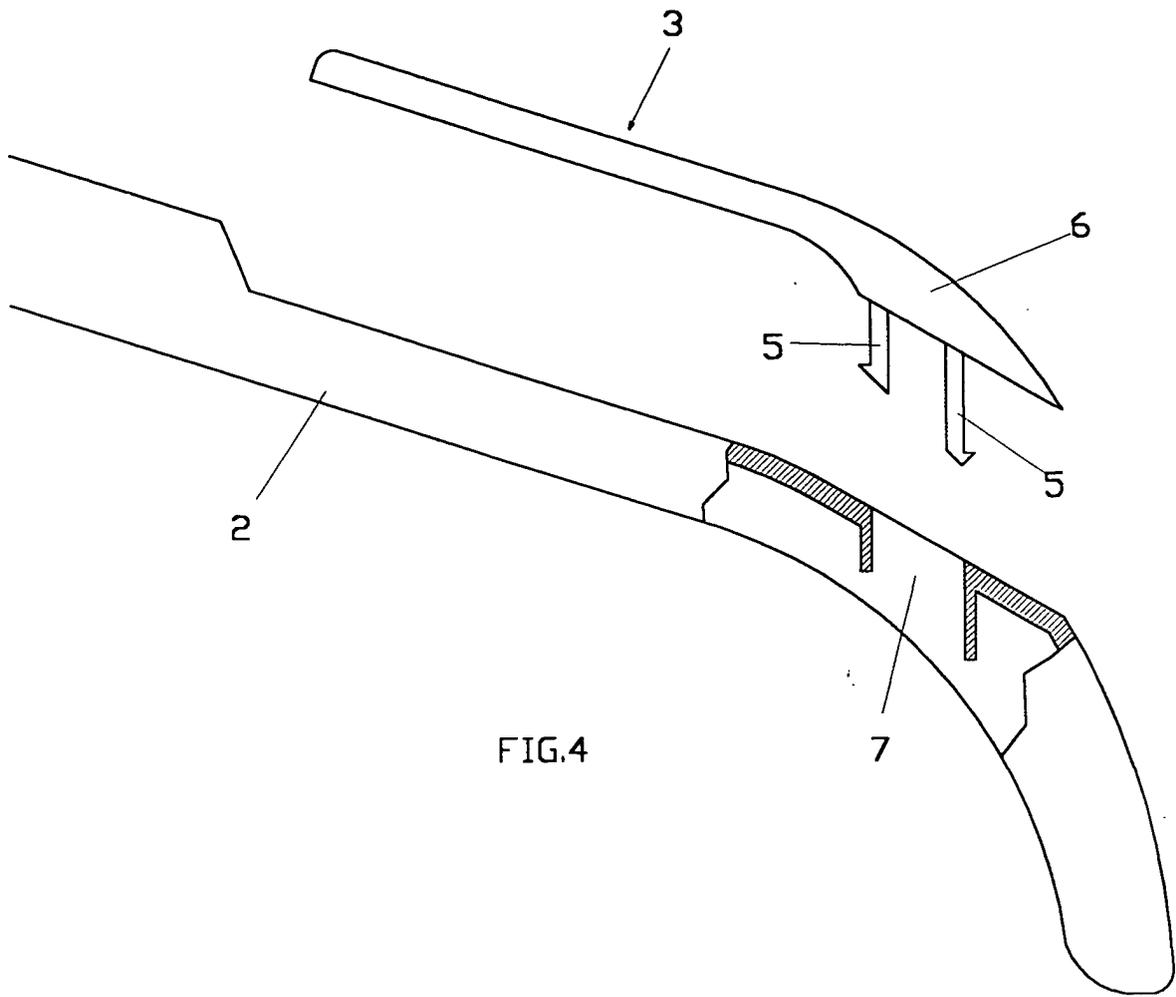


FIG.4

## Description

**[0001]** The present finding concerns a clothes hanger of the type provided with a clip in the upper part of both shoulders.

**[0002]** The clothes hangers used to hold clothing items with shoulders are all, in their most simple conformation, made of a rigid, arch-shaped structure equipped with a central hook, which terminates with a substantially round shape on both sides.

**[0003]** For hung items provided with straps such as, for example, light clothes, underwear and similar items, hangers are employed equipped with a clip in the part above both shoulders, known in technical terms as a "notch", which forms the attachment of said straps.

**[0004]** Such hanger types are considerably lacking from the performance standpoint when they are used as common hangers for clothes with shoulders, in particular those of light type, such as shirts, T-shirts and other similar clothes articles, since for their specific conformation and for the reduced arch dimensions they are unable keep the articles hanging.

**[0005]** The object of the present finding is to achieve a hanger of the type equipped with upper clips or "notches" which eliminate such a drawback, that is which manifest an anti-slip action when used to hang clothes with shoulders, even of light type.

**[0006]** A further object of the finding is to achieve a hanger of the type equipped with upper clips which result from easy and simple moulding manufacturing.

**[0007]** The first object of the finding is achieved by providing a hanger of type with upper clips in which the anti-slip action is obtained by covering the two same clips with an anti-slip material.

**[0008]** The anti-slip material, such as rubber, may be applied on the clips using diverse methods, for example by over-moulding, by pasting or through smearing, all well-known at the state of the art and normally employed in other types of clothes hangers.

**[0009]** The second object of the finding is achieved by providing a hanger of type with upper clips in which two clips form two separate elements with respect to the arch-shaped body.

**[0010]** With this structural solution it is therefore possible to make clips equipped with an anti-slip covering through a moulding operation different from the moulding operation of the arched hanger body; only subsequently are they applied on the shoulder of said body to form the final object.

**[0011]** Such working procedure, even if requiring two distinct moulding operations, that for achieving the arched body and that for achieving the clips equipped with anti-slip material, is however considerably advantageous with respect to a single operation moulding, followed by the application of anti-slip material, since it permits the use of more simplified and thus less costly moulds, while the time required to attach the two clips to the body, with automatic assembly systems, results

quite reduced and therefore insignificantly effects the final cost of the object.

**[0012]** The finding will be more clearly understood with reference to its particular embodiment, given only as a non-limiting example, with the help of the attached drawings, where:

- figures 1 and 2 (Plate I) depict a hanger with upper clips equipped with anti-slip material from a frontal and a planar view, respectively;
- figure 3 (Plate II) depicts a hanger with extractable upper clips from a frontal view;
- figures 4 and 5 (Plate III) depict two detailed views of the hanger end of figure 3, in exploded and assembled form, respectively;
- figures 6 and 7 (Plate IV) depict two possible conformations of the separate clip.

**[0013]** As is evident in figures 1 and 2, the hanger according to the finding, indicated in its entirety with 1, is composed by an arch-shaped body 2, at whose ends, on the upper part, clips 3 are present, covered by a layer of anti-slip material 4, deposited by over-moulding, smearing or pasting.

**[0014]** As is evident in figures 3-5, in a particular embodiment of the hanger 1 the clips 3 are elements separated from body 2, to which they are attached by way of an elastic dap joint connection, preferably of the so-called "clip" type, achieved with pins 5, projecting below the header 6 of the clip, said pins engaging in the recesses 7 made in the same body.

**[0015]** As is evident in figures 6 and 7, the clip 3 may have the header 6 covered with an anti-slip material, in a partial manner 4' (only on the upper part) or completely 4", in order to confer an anti-slip action even to the straps of the hung clothes.

**[0016]** The method of manufacturing the hanger according to the finding and equipped with separate clips foresees the following work phases:

- + moulding of the arched body 2, equipped with the recesses 7;
- + moulding of the clips 3;
- + over-moulding, deposit by smearing or pasting on the clips 3 of the anti-slip material 4;
- + mounting of the clips 3 on the body 2.

**[0017]** Clearly, embodiments of the finding different from that described are possible, in particular the anchoring of the clip 3 to the body 2 may occur through mechanical means, laser welding, by pasting or other systems adapted for such purpose and known at the

state of the art without departing from the scope of the subsequently defined claims.

## Claims

- 5
1. IMPROVED HANGER, of the type provided with a clip in the upper part of both shoulders, known in technical terms as the "notch",  
said hanger **characterised in that** the clips are covered with an anti-slip material, deposited by overmoulding, smearing, pasting or other methods known at the state of the art. 10
  2. HANGER, according to claim 1, **characterised in that** the two upper clips are made of two distinct and separate elements with respect to the arch-shaped body of the hanger itself. 15
  3. HANGER, according to claim 2, composed of an arch-shaped body (2), at whose ends, on the upper part, clips (3) are present, **characterised in that** each clip 3 is an element separated from the body (2), to which it attaches through an elastic connection. 20 25
  4. HANGER, according to claim 3, **characterised in that** the elastic connection of the clip (3) to body (2) is of "clip" type, achieved with pins (5) projecting below the header (6) of the clip, which is then engaged in the recess (7), extracted from the same body. 30
  5. HANGER, according to claim 2, **characterised in that** the anchoring of the clip (3) to the body (2) is achieved through mechanical means, laser welding, by pasting or with other known systems adapted for such purpose. 35
  6. HANGER, according to claims 1 or 2, **characterised in that** the clip (3) is covered only on its upper part with a layer of the anti-slip material (4'). 40
  7. HANGER, according to claims 1 or 2, **characterised in that** the clip (3) is covered both on its upper and lower part by a layer of anti-slip material (4"). 45
  8. METHOD FOR PRODUCING A HANGER, according to one or more of the preceding claims, **characterised in that** it has the following work phases: 50
    - moulding of the arched body (2);
    - moulding of the clips (3);
    - application of the anti-slip material (4) on the clips (3); 55
    - mounting of the clips (3) on the body (2).

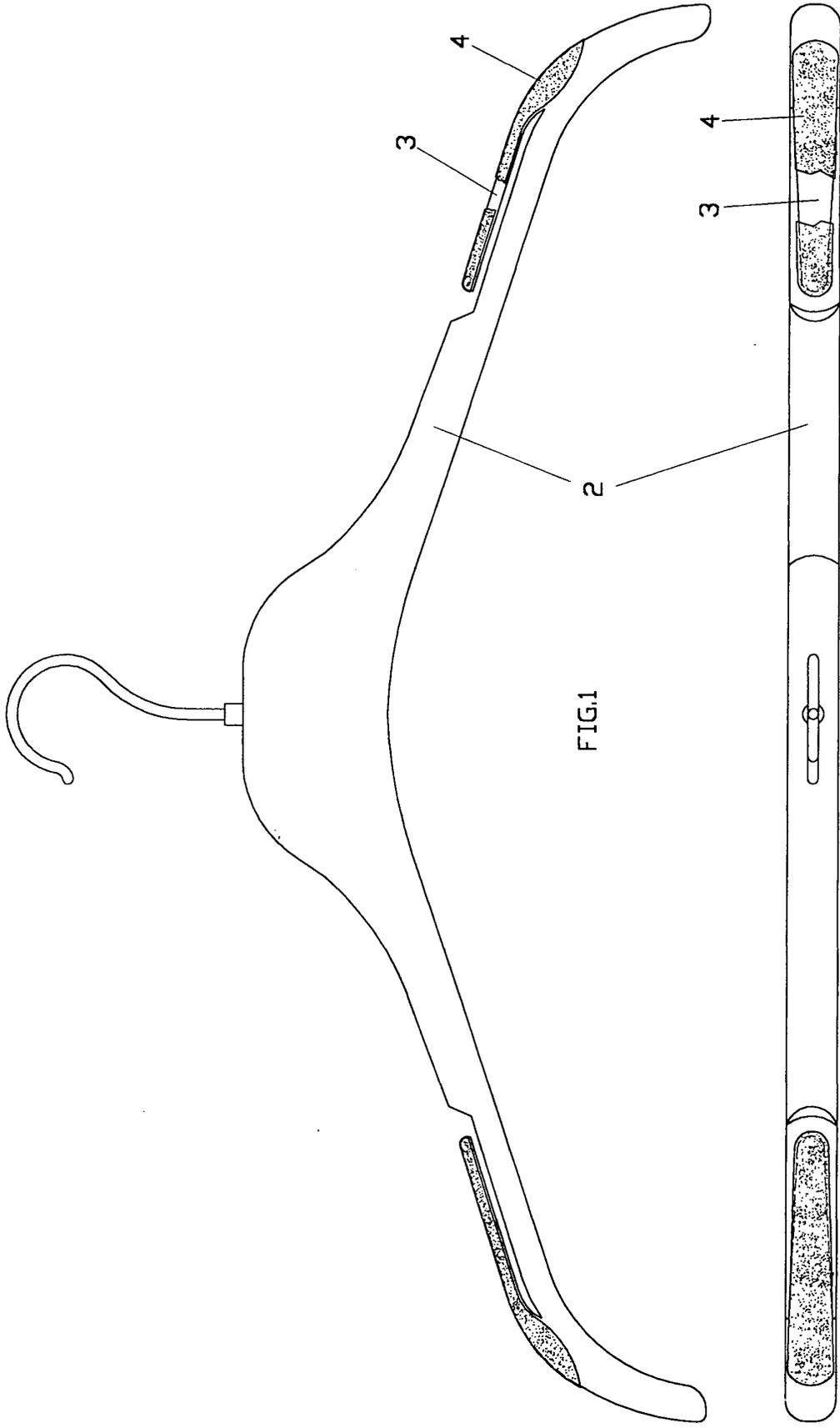


FIG.1

FIG.2

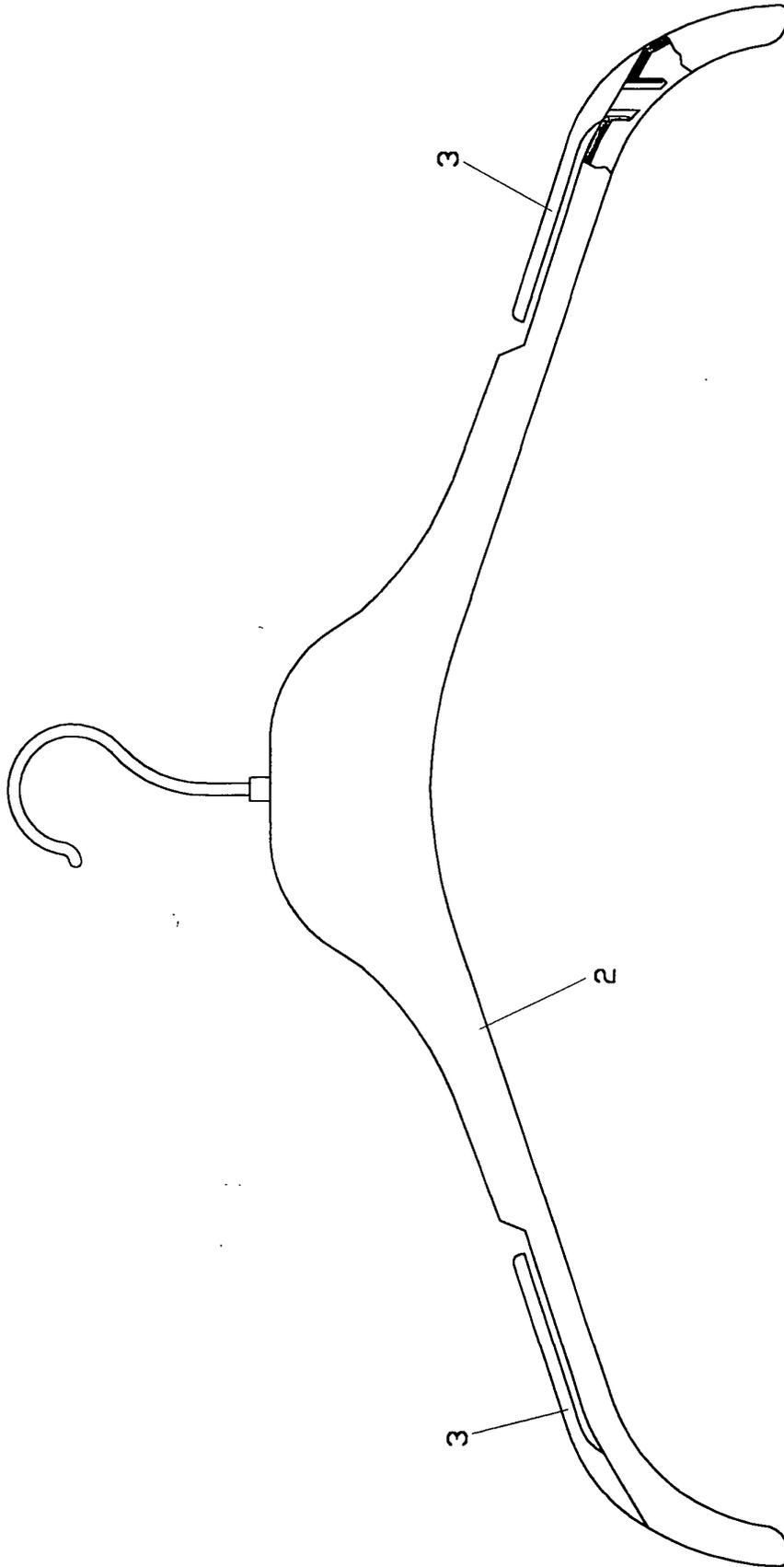
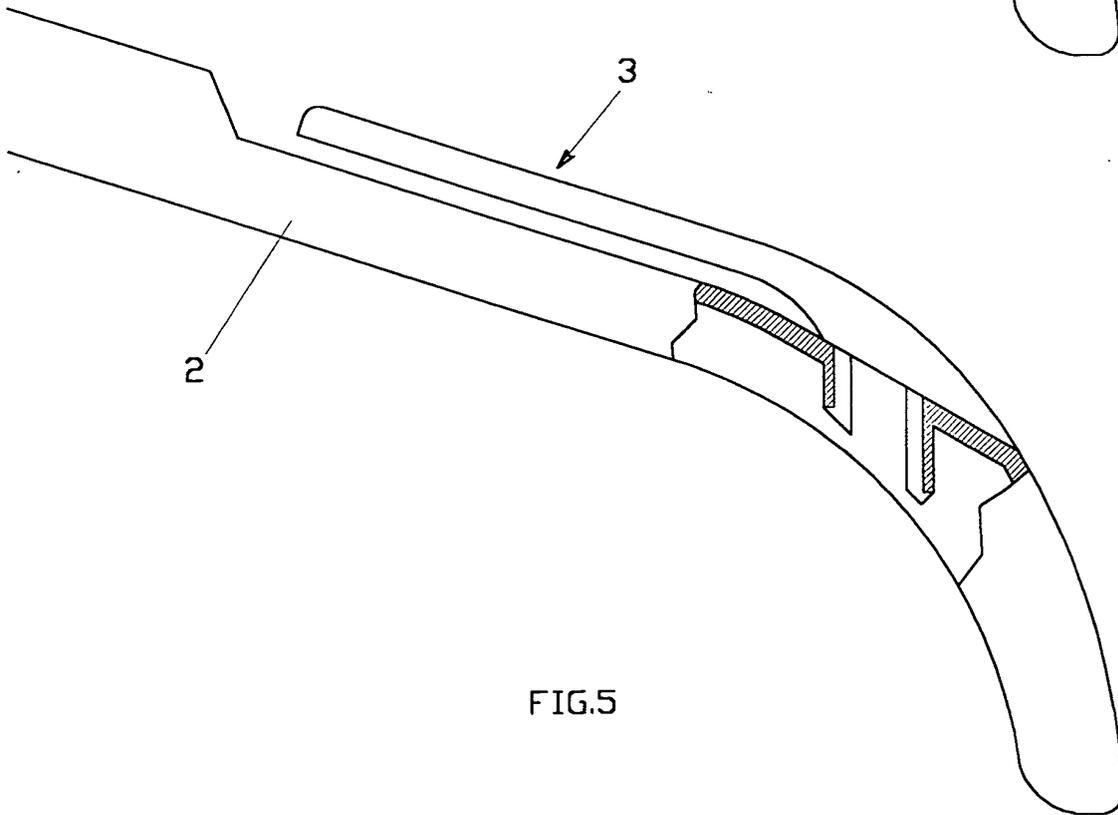
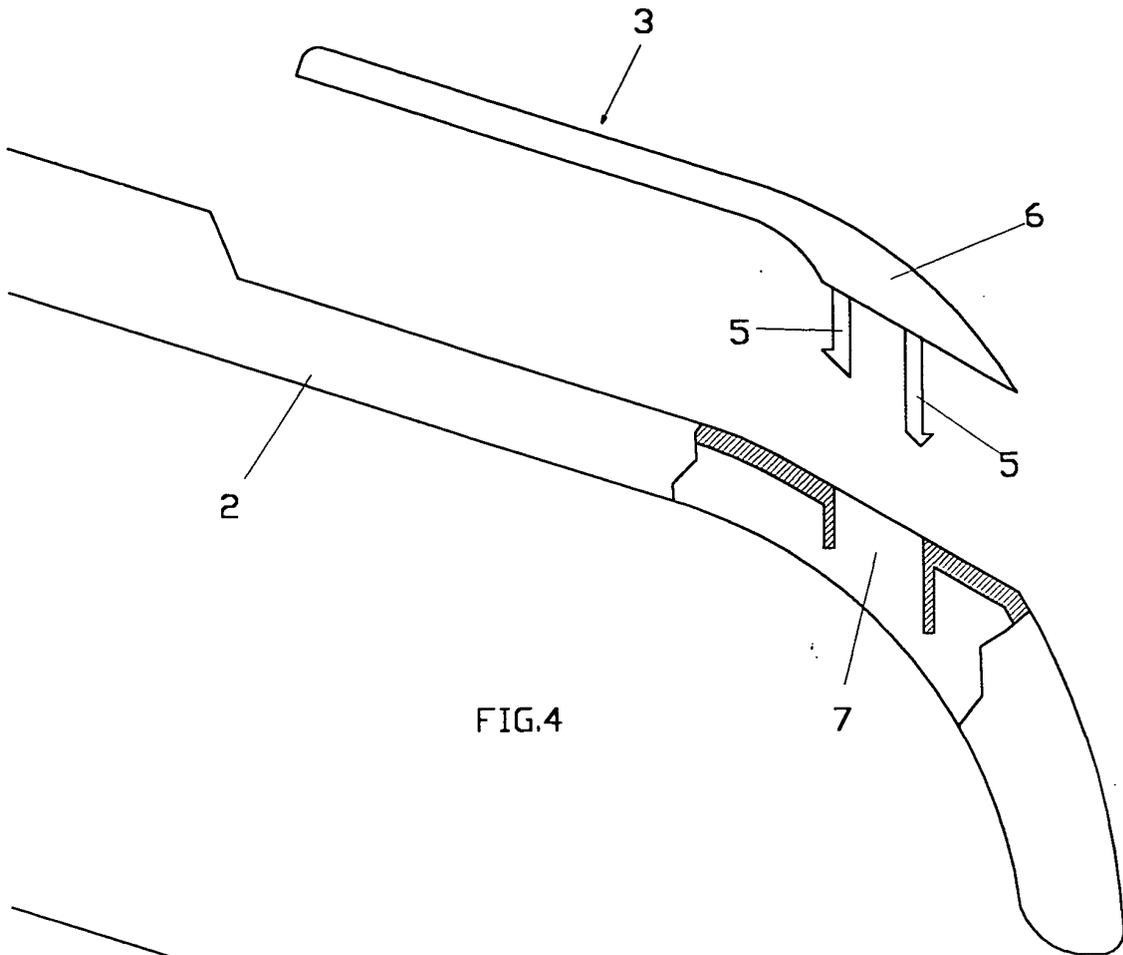
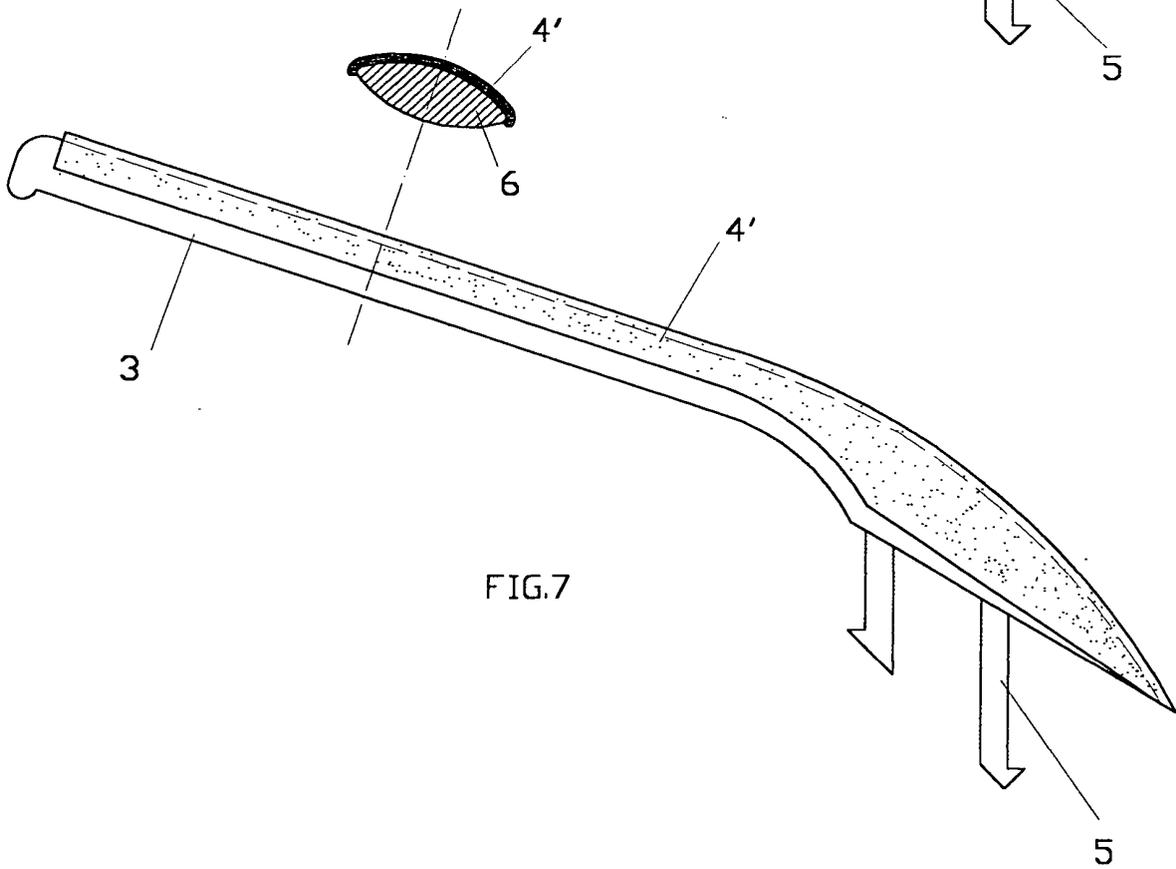
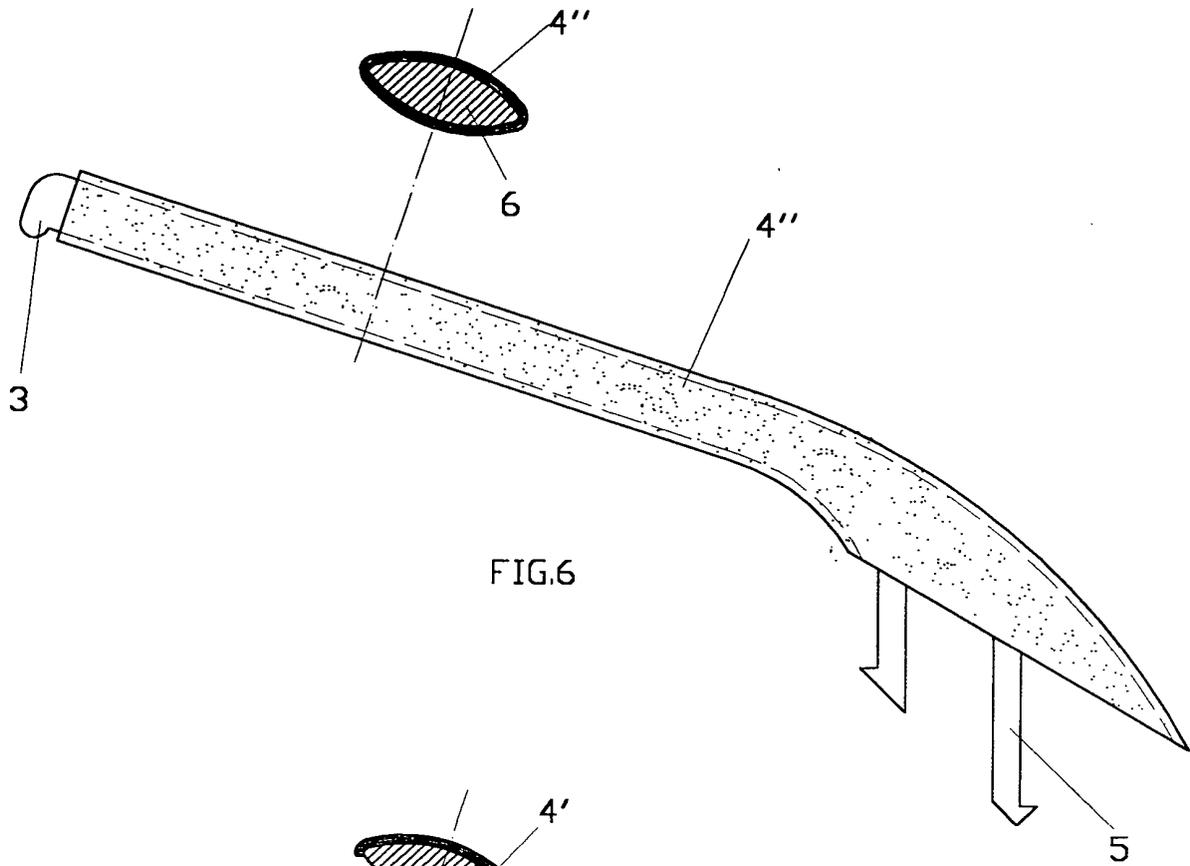


FIG.3







European Patent  
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EUROPEAN SEARCH REPORT

Application Number  
EP 04 00 5625

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X	----- US 3 140 024 A (B. BURNS ET AL) 7 July 1964 (1964-07-07) * figures 1,2 * * column 3, line 23 - line 30 *	1-3	
P,X	----- DE 203 00 154 U (BRAITRIM DEUTSCHLAND GMBH) 22 May 2003 (2003-05-22) * figures * * page 6, line 1 - line 13 * -----	1,6,7	TECHNICAL FIELDS SEARCHED (Int.Cl.7) A47G
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		5 July 2004	van Overbeek, K
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EPO FORM 1503 03/82 (P04CO1)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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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  
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82