



A Pair of Goggles, Particularly a Pair of Safety Goggles

The invention relates to a pair of goggles, particularly a pair of safety goggles, having padded contact areas in the nose and/or ear area, wherein the
5 padding is realized by means of a bubble-like convex, relatively soft plastic material which spans a gap in a relatively hard base material.

Such a pair of goggles is known from EP 0 529 202 B1. This design has proved very useful in practice and considerably improved user comfort.
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Based on the foregoing, the object of the invention is to improve user comfort even further and to achieve a secure, displacement-proof contact.

According to the invention, this object is achieved in that the bubble-like
15 convexity comprises a plurality of hollow rib-like projections which are open at their lower ends and extend parallel to each other and at a distance from one another. In particular, it is envisaged that the bubble-like convexity as a whole be deformable in a direction towards the gap and each rib-like projection be deformable in a direction parallel to the gap.

20 Conventional bubble-like convexities had a smooth surface on the one hand so that there was no maximum security against displacement, and the convex shape of the surface also brings about a certain stiffness on the other. In contrast to the foregoing, the rib-like projections provided according to the invention secure the goggles against displacement and are able to
25 give way towards the inside so that a particularly high user comfort is achieved.

Preferably, the relatively soft plastic material consists of TPE and the relatively hard plastic material consists of PC (polycarbonate) or PC Blend.

The invention will hereinafter be described with reference to a preferred
5 embodiment and in connection with the drawing, in which

Fig. 1 shows a perspective view of a pair of safety goggles according to the invention as seen from the front;

Fig. 2 shows a perspective view of the pair of safety goggles as seen from
10 the back;

Fig. 3 shows a view of the pair of safety goggles as seen from above; and

Fig. 4 shows a sectional view of the nose contact area.

A pair of safety goggles 1 shown in the drawing comprises a sight piece 2
15 having two sight piece elements 3 connected with each other, which sight piece is fixed to an upper frame element 4. Ear pieces 7 are linked to the side ends 5 of the upper frame element by means of hinges 6, which ear pieces are lengthwise adjustable by means of a length adjustment device 8. This solution is described in detail in EP 0878 728 A1.

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A nose bridge element 9 having nose contact areas 10 is connected to the upper frame element in one piece.

Each of the aforesaid nose contact areas 10 is formed by an extension 11 of
25 the nose bridge element made of relatively hard plastic material having a gap 12 across which a relatively soft plastic material is moulded in the form of a bubble-like convex envelope curve 13, but wherein no bubble having the form of a spherical cap which is known per se from the state of the art is provided, but a plurality of parallel rib-like projections 14-which

are separated from one another by means of valleys or longitudinal slots
15.

By means of this embodiment it is achieved that the ribs 14 abutting the
5 sides of the nose can give way as a whole towards the inside, in a direction
towards the gap 12 in the direction of the arrow 17 if a pressure in the di-
rection of the arrows 16 occurs, and that in addition each rib can move
sideways to a certain extent in the direction of the arrows 18 so that as an
overall result a high flexibility and pliability and thus particularly high user
10 comfort is achieved while at the same time the rib-like configuration pre-
vents the goggles from becoming displaced relative to the nose.

In the present exemplary embodiment, the rib-like configuration has been
explained in connection with the nose contact area. Designs of the afore-
15 said kind could, however, be realized in the same way in other areas of the
pair of goggles, particularly at the end of the ear pieces.

Claims

1. A pair of goggles, particularly a pair of safety goggles, having padded contact areas in the nose and/or ear area, wherein the padding is realized by means of a bubble-like convex, relatively soft plastic material which spans a gap in a relatively hard base material, **characterized in that** the bubble-like convexity comprises a plurality of hollow rib-like projections which are open at their lower ends and extend parallel to each other and at a distance from one another.
2. A pair of goggles according to Claim 1, **characterized in that** the bubble-like convexity as a whole is deformable in a direction towards the gap and each rib-like projection is deformable in a direction parallel to the gap.
3. A pair of goggles according to Claim 1, **characterized in that** the relatively soft plastic material consists of TPE.
4. A pair of goggles according to Claim 1, **characterized in that** the relatively hard plastic material consists of PC or PC Blend.