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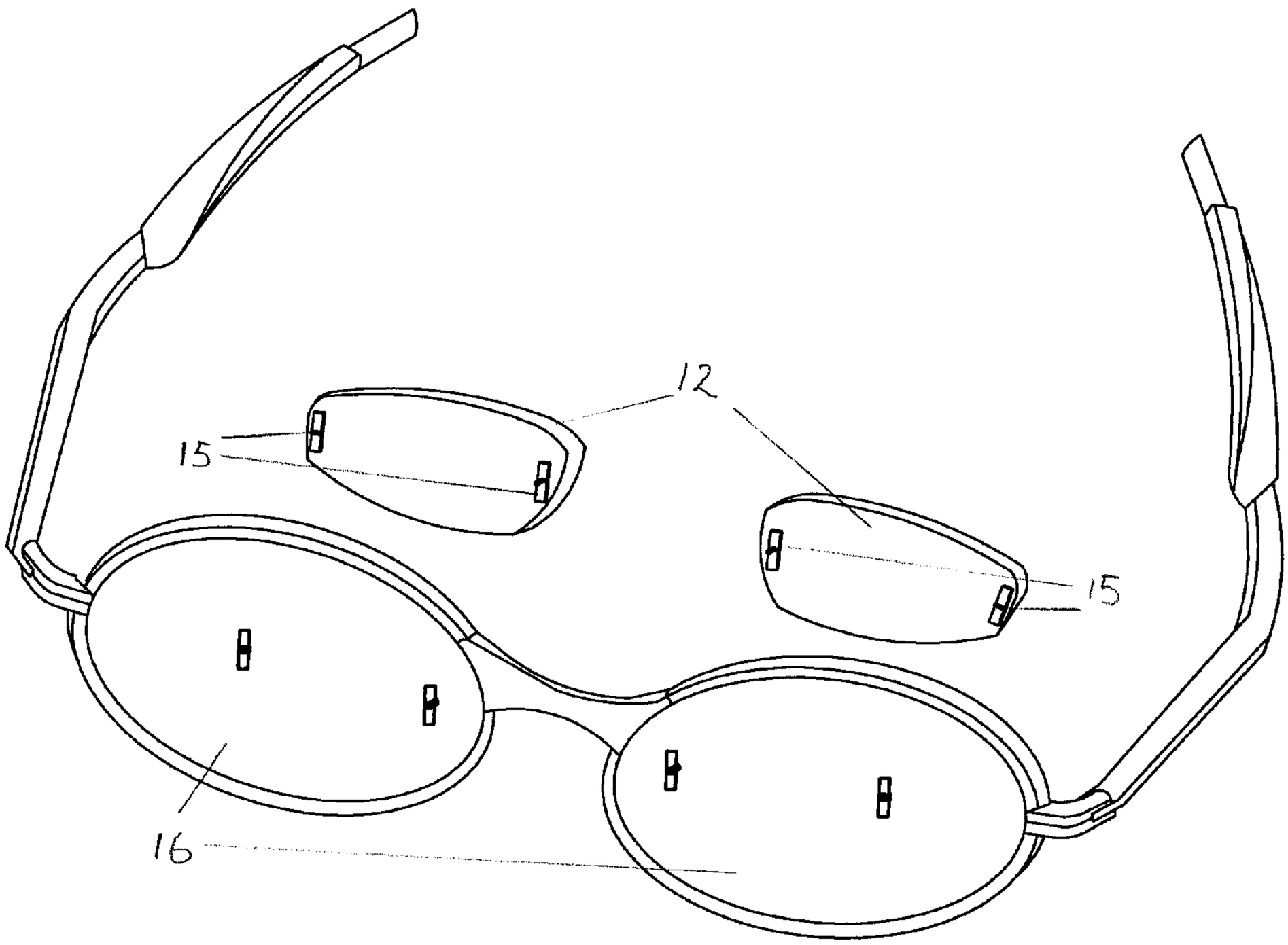
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(54) Titre : LUNETTES
(54) Title: SPECTACLES



(57) Abrégé/Abstract:
The invention concerns an optical lens attachment which consists of two optical lens and, in the region of any sunglasses lens back surface, can be connected to the sunglasses lenses. According to the invention, in order to provide a convenience condition, the optical lenses attachment system comprises at least a magnet, snap, magic tape, clip, and fastener of a securing device, for said stick-on system.

ABSTRACT OF THE DISCLOSURE

The invention concerns an optical lens attachment which consists of two optical lens and, in the region of any sunglasses lens back surface, can be connected to the sunglasses lenses. According to the invention, in order to provide a convenience condition, the optical lenses attachment system comprises at least a magnet, snap, magic tape, clip, and fastener of a securing device, for said stick-on system.

FIELD OF THE INVENTION

Optical lens attachment interchangeable to spectacles such as sunglasses and uses an attachment stick on the optical lenses and a mounting on the spectacle lenses.

BACKGROUND OF THE INVENTION

US patent no. 2,278,635 discloses the use of the sunglasses with an optical spectacle insert which consists of a mounting for two lenses spectacle frame which attach by its plug-in projection and through hole in the region of the nose piece of the spectacle and can be detachably connected to the sunglasses or spectacles.

In the prior art, it is also known to use magnetic force to releasable affix sunglasses (clip on) to eyeglasses. the clip on spectacle located outboard of each eyeglass rim, Various ways of accomplishing this feat are proposed in the prior art including fastening means located outboard of each eyeglass rim, several different methods are proposed including those permitting magnetic fastening along a horizontal plane, from above or below, along a vertical plane, from in front, from behind, or laterally.

The invention concerns an optical lens surface attachment which consists of two optical lens which can be attached in the region of any sunglasses lens back surface and can be connected to wide range of other sunglasses lenses (or other spectacles). According to the invention, in order to provide convenience, the optical lenses attachment system comprises at least one of a magnet, magic tape, clip, fastener of securing device

providing a stick-on system. It is also possible to drill and mount attachment onto sunglasses lens and optical lens.

Its main practical advantages over existing practices or products are the invention of an attachment which sticks on optical lens surface. The optical lenses with stick on attachment can connect to sunglasses and are interchangeable.

The invention provides one attachment system which consists of two magnets affixed to the front lens onto the back lens surface. The optical lens attachments are posts on the optical lens surface (or on a lens frame) and they affix to the back surface of the front lenses. The invention can connect to any sunglasses lens at the back surface of the lenses. The optical lens attachments can connect to rimless spectacles. The attachment can be interchangeable between spectacles and sunglasses.

The attachment post or stick on the prescription optical lenses permits the use of different sunglasses without changing the primary sunglasses lens. The attachment helps to provide individual original style without losing the look of Sunglasses. The invention permits a number of sunglass choices.

The scope of the invention for attachment stick on the optical lens front surface can comprises tape to stick on and/or drill holes to mount an attachment system on the optical lens. A mating attachment system is placed on the rear surface of the sunglass lens. The optical lenses may have frames and the attachments may be seen on those

frames.

The attachment method can comprises at least magnets, snap, magic tape, clip, fastener of securing device and stick-on system. The optical lens material may comprise at least plastic (CR39), glass, polycarbonate and usage for prescription optical lens. The optical lens interchangeable system can adapt to at least Sunglasses, rimless spectacle and clip-ons.

BRIEF SUMMARY OF THE INVENTION

The invention concerns an optical lens surface attachment which consists of two optical lens , with attachment posts , and, a mount on any sunglasses lens back surface, and can be connected to wide range of other sunglasses lenses. According to the invention, in order to provide convenience, the optical lens attachment system comprises at least magnet, snap, magic tape, clip, fastener securing device, or a stick-on system. It is possible to drill the mount attachment onto sunglasses lens and optical lens or mount them on lens frames.

The various features of novelty which characterize the invention are pointed out with more particularity in the claims annexed to and forming a part of this disclosure. For a better understanding of the invention, its operating advantages and specific objects attained by its use, reference should be made to the accompanying drawings and descriptive matter in which there are illustrated and described preferred embodiments

of the invention.

IN THE DRAWINGS

Figure 1 is a perspective illustration of a pair of spectacles, with optical lenses shown, in exploded form;

Figure 2 is a top plan view of Fig. 1 with the optical lenses shown attached to the inward side of the spectacle lens;

Figure 3 is a greatly enlarged exploded top plan, showing one optical lense and its attachment system for attaching it to a spectacle lense;

Figure 4 (a), (b) & ©) shows a further form of attachment;

Figure 5 (a) & (b) shows another form of attachment;

Figure 6 (a) & (b) shows another form of attachment;

Figure 7 is a front elevation of a further embodiment;

Figure 8 is a side elevation of Fig. 7;

Figure 9 is an exploded perspective of a further embodiment;

Figure 10 is a perspective of a further embodiment; and

Figure 11 is an enlarged perspective of a lens and frame.

DESCRIPTION OF A SPECIFIC EMBODIMENT

The preferred embodiments of the invention structure in Fig. 1 are permitting prescription lenses (12) attach magnetic attachment (15) to any sunglasses (16).

In use, the inner auxiliary lens attachment (15) in Fig. 2 may be magnetic member or

hematite magnetic. Magnetic attachment (15) preferably insert on prescription lenses(12). Prescription lens attachment (18) in Fig. 3 lets a particular user have his lenses secured to the opposite sunglasses lens (19) attachment by a magnetic attraction.

The inner auxiliary lens magnetic attachment (15) connected to prescription lens (12) may include at least two drill holes (20) and stick tape (21). Fig. 3 shows drill holes (20) with the drill in half way opening positioned on inner (22) and outer (23) of prescription lens (12). The auxiliary stick tape (21) is affixed into the drilling holes opening (20) to assist securing between prescription lens (12) and magnet attachment (18). The auxiliary stick tape (21) may be use soft double side silicon or thin pad foam tape.

The inner auxiliary sunglasses lens attachment (17) may simply be affixed by stick tape (21) on sunglasses lenses (19). Of course, the sunglasses lens (19) may be tinted for sunglass use includes different colors or coating treatment. It will be noted that the Sunglasses lens attachment (17) is used to secure the prescription lenses attachment (18) by magnetic attraction.

A further embodiment is shown in Fig. 4 and Fig. 5 in which it provides horizontal movement with the round C-shaped brackets (26) at the end of the attachment. The

movement and attachment length size will effect with respect between prescription lens (12) and sunglass lens base curve (27). The auxiliary brackets and recess with U-shaped attachment assist to secure between sunglasses lens (19) and prescription lens (12) under a main magnetic attraction (15).

In the event that the inner auxiliary prescription lens is not required, it may be removed leaving the outer sunglasses. The inner prescription lenses may also be interchanged to a main rimless frame (30) used to support the spectacles using magnetic force in the end piece and nasal bridge (32) of the rimless frame (Fig. 9).

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The optical lense (40) may have frames (42) as shown in Figs. 10 and 11. In this case, the posts (44) can be secured in the frames (42) instead of directly to the lenses themselves.

The foregoing is a description of a preferred embodiment of the invention which is given here by way of example only. The invention is not to be taken as limited to any of the specific features as described, but comprehends all such variations thereof as come within the scope of the appended claims.

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THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:

1. Optical lenses for spectacles which are attachable to and releasable from interchangeable Sunglasses lens and to optical rimless frames and comprising ; attachments the optical lenses, extending forwardly; opposed mountings on the rear surface of either sunglasses lens or optical rimless frames, whereby the optical lenses can be interconnected with lenses of sunglasses or rimless frames.

2. Optical lenses as claimed in Claim 1 wherein the lens attachment is designed as attachment stick mounted on the optical lens edge front surface.

3. Optical lenses as claimed in Claim 1 or 2 are characterized in that the stick-on attachment system comprises one of a magnet, snap, magic tape, clip or fastener.

4. Optical lenses as claimed in Claim 1 to 3 are characterized in that the stick-on attachment system of the optical lens flanges attachment engages in an oppose stick-on recess of the sunglass lens in the manner of one of magnetic, snap and coupling.

5. Optical lenses as claimed in Claim 1 to 4 are characterized in that the stick-on system of the attachment comprises drill holes and mount attachment on either sunglasses lens and optical lens.

6. Optical lenses as claimed in Claim 1 to 5 are characterized in that at least one connector is located on the back of said sunglass lens surface.

7. Optical lenses as claimed in Claim 1 to 5, are characterized in that the stick-on system consists of a recess and flange magnetic attachments, wherein said magnetic attachments are aligned with their axis of rotation along a horizontal and vertical line.

8. Optical lenses as claimed in Claim 7 are characterized in that the stick-on system consists of auxiliary magnetic attachments contains a stick tape

9 Optical lenses as claimed in Claim 8 are characterized in that the auxiliary magnetic attachment contains a magnetic hematite.

10. Optical lenses as claimed in Claim 1 wherein the lenses have frames and wherein the attachments are secured to the frames.

11. Optical lenses as claimed in Claim 10 wherein the stick-on attachment system comprises one of a magnet, snap, magic tape, clip or fastener.

12. Optical lenses as claimed in Claim 11 the stick-on attachment system of the optical lens flanges attachment engages in an oppose stick-on recess of the sunglass lens in the manner of one of magnetic, snap and coupling.

13. Optical lenses as claimed in Claim 12 wherein the stick-on system consists of a recess and flange magnetic attachments, wherein said magnetic attachments are aligned with their axis of rotation along a horizontal and vertical line.

14. Optical lenses as claimed in Claim 13 wherein the auxiliary magnetic attachment contains a magnetic hematite.

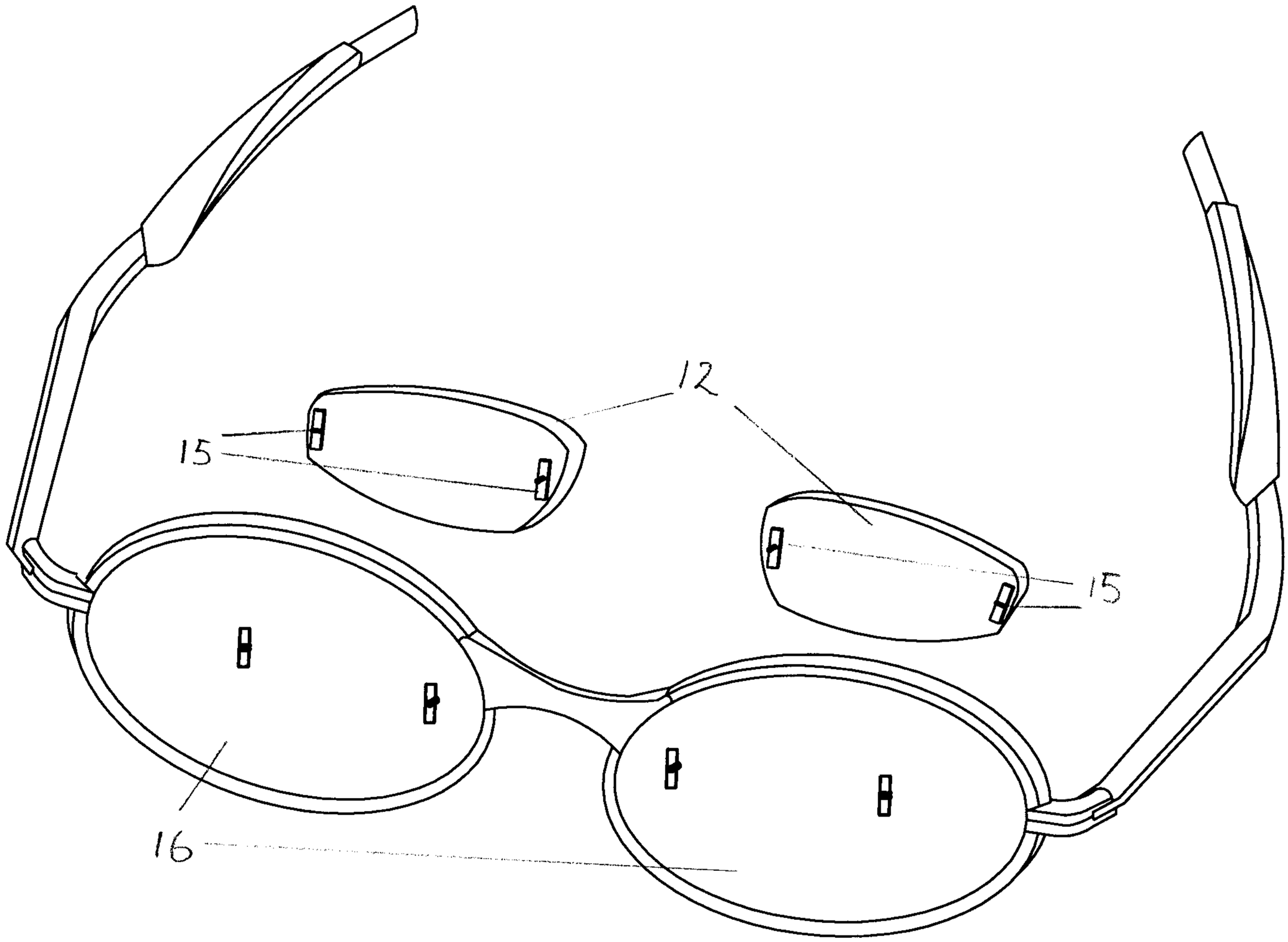


FIG. 1

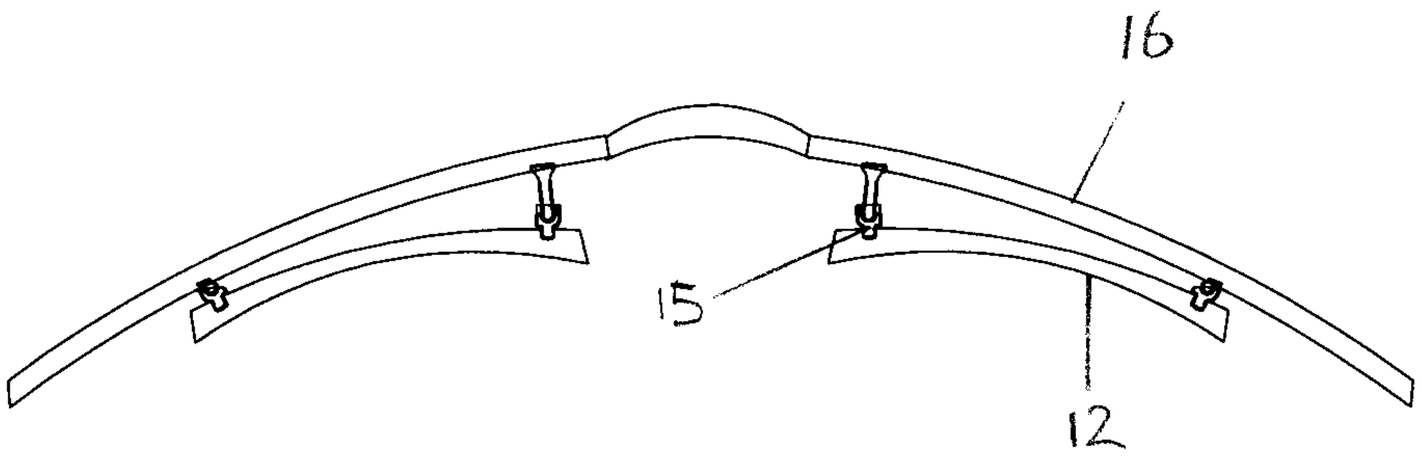


FIG. 2

FIG. 3

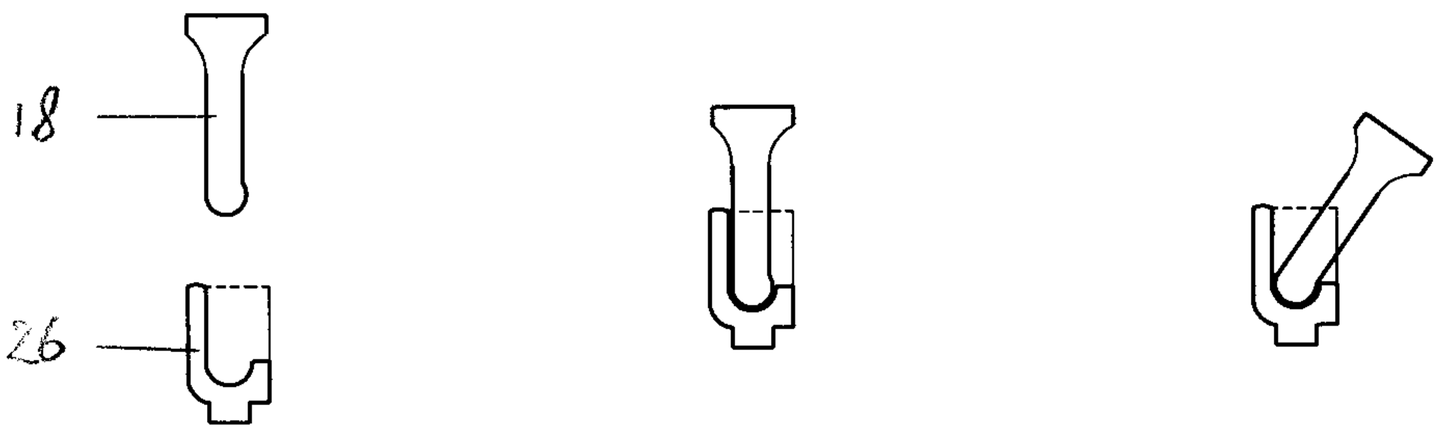


FIG. 4



FIG. 5



FIG. 6

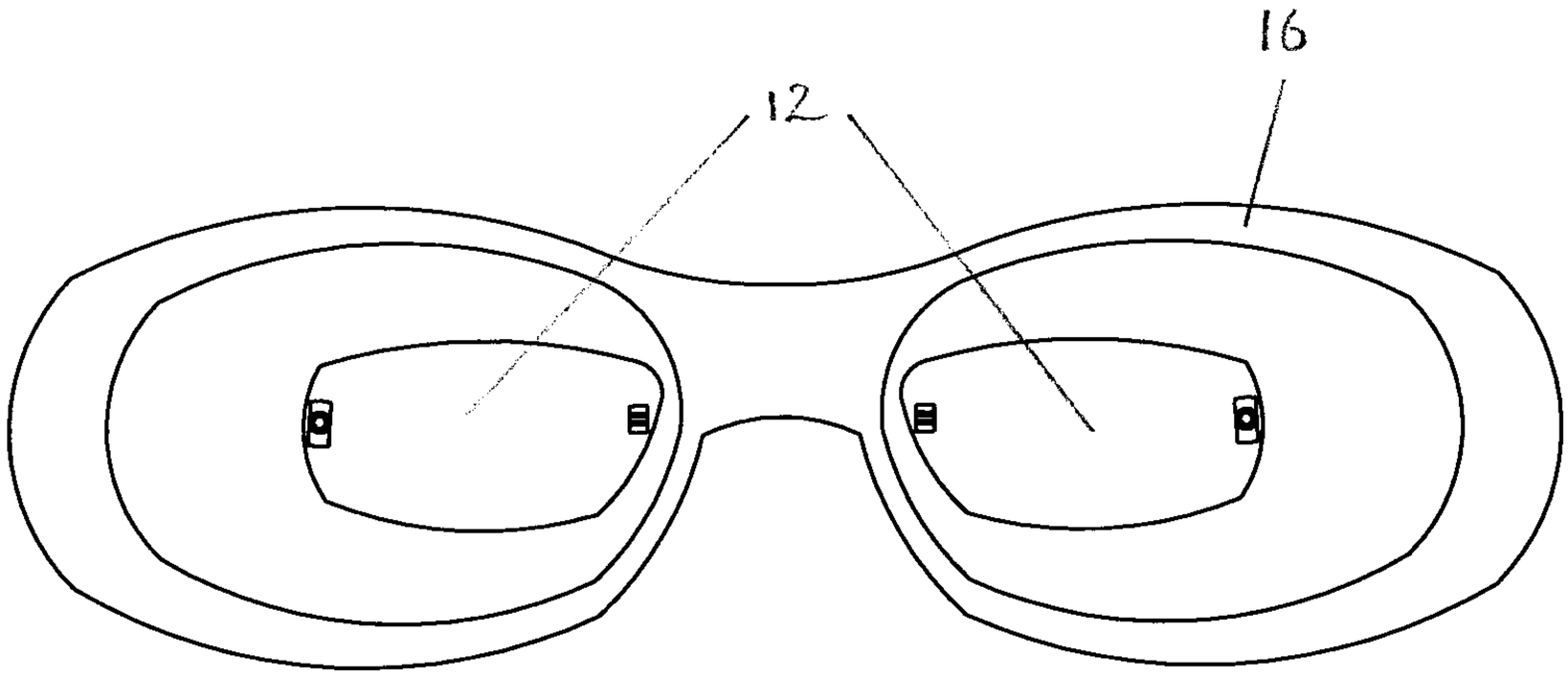


FIG 7

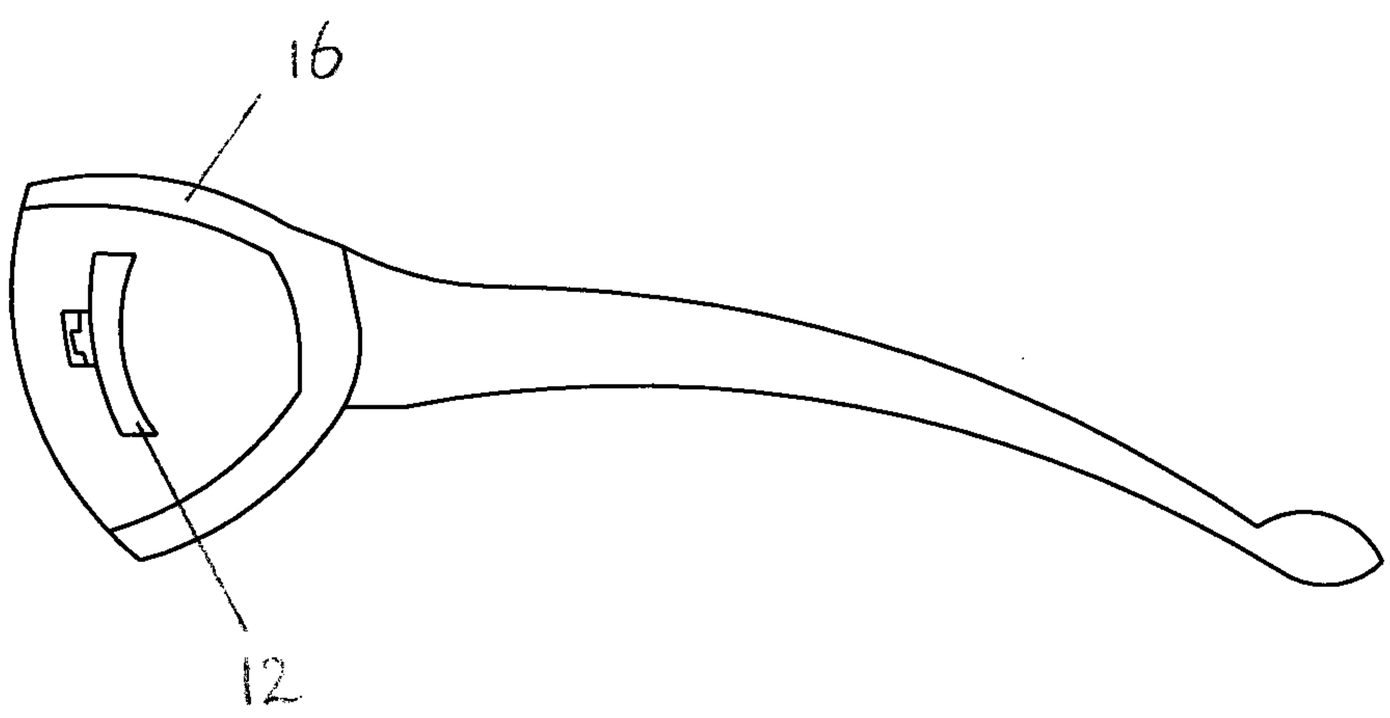


FIG 8

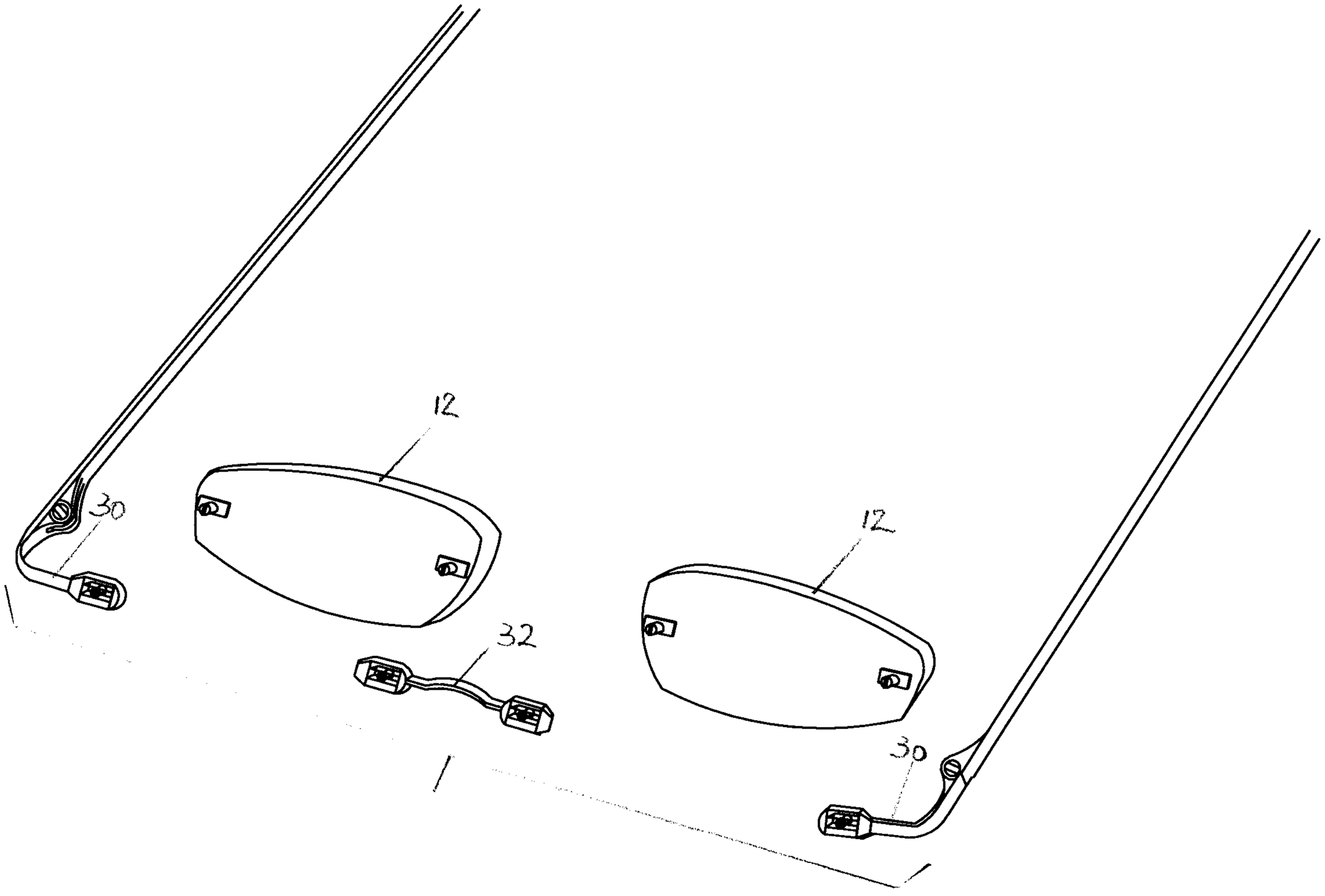


FIG 9

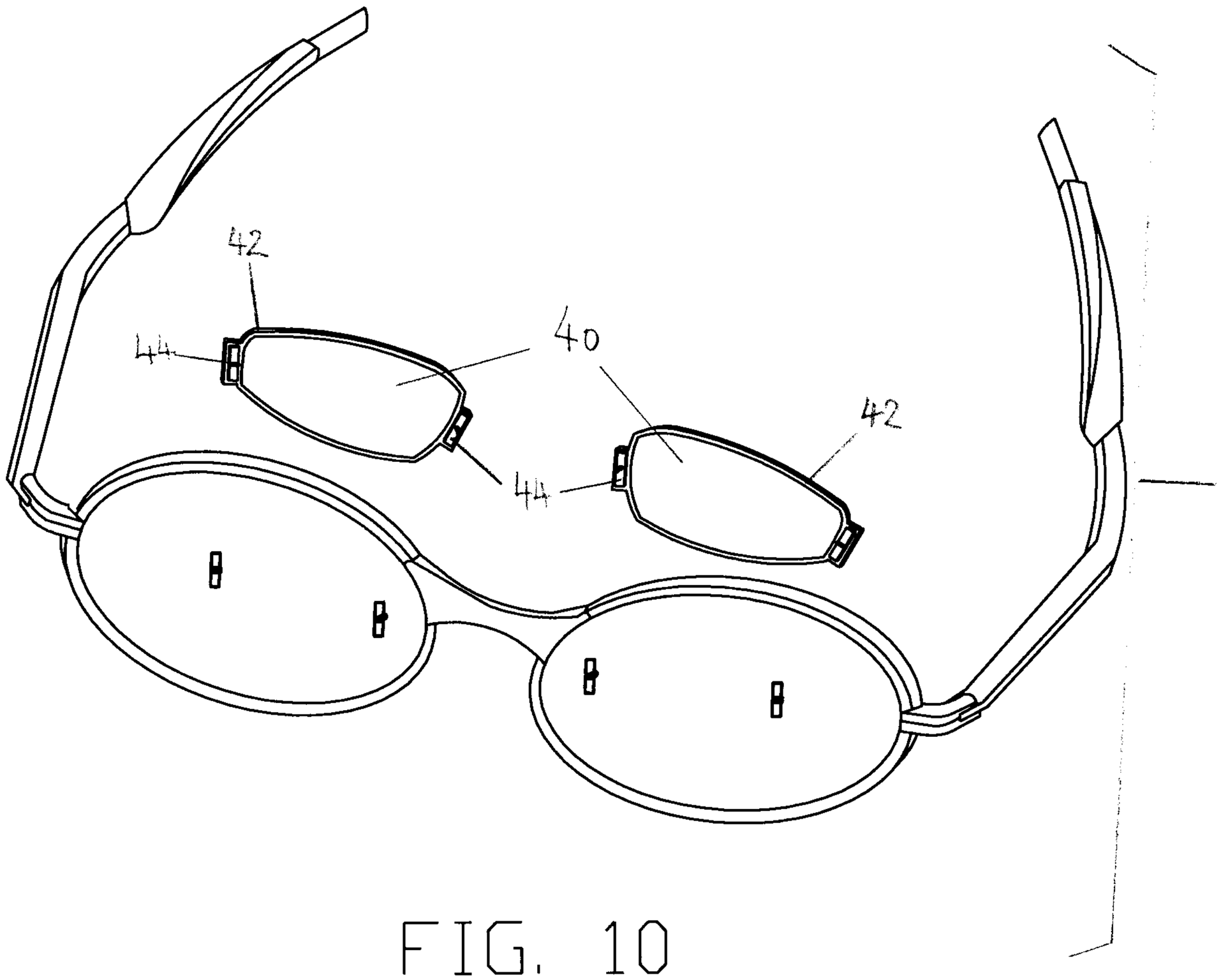


FIG. 10

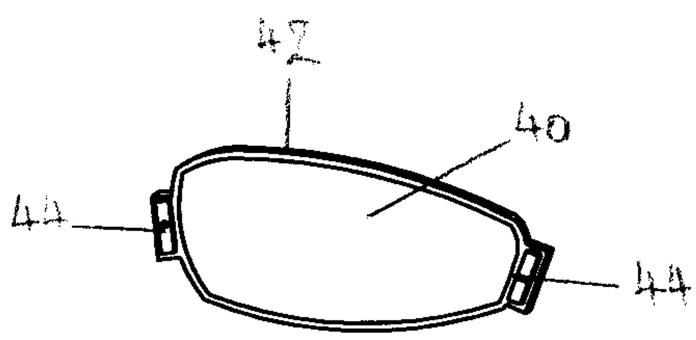
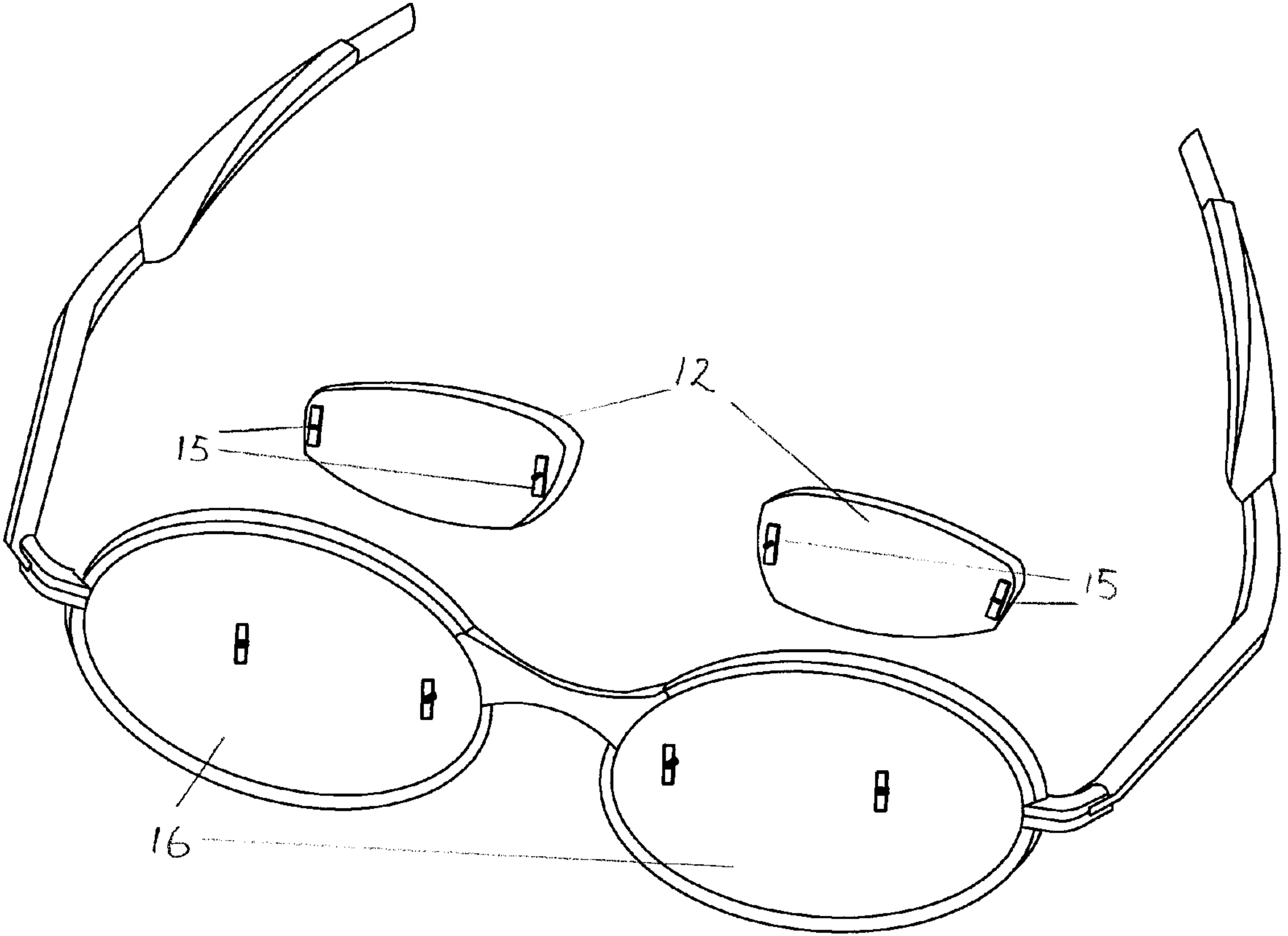


FIG. 11


12
15
15
16