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(54) **ROUND CORNER QUADRANGULAR RING**  
VIERECKIGER RING MIT RUNDEN KANTEN  
BAGUE QUADRANGULAIRE A COINS ARRONDIS

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**EP-A- 1 190 637** **JP-U- 3 073 282**  
**US-A- 1 687 020** **US-A- 3 385 079**  
**US-A- 4 742 696**

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## Description

### Field of the Invention

[0001] The invention relates to a ring which enables the rotation of the ring itself to be prevented or made less likely to occur, providing better fitness, with the ring being made less likely to be caught by cloths when wearing the same.

### Related Prior Art

[0002] Conventional rings have been shaped round. However, a ring of a round shape tends to rotate when wearing the same, often positioning a decorative part thereof not in its right frontal position, but in a sideward position. Further, a round shape ring gives pressure against fingers adjacent to the finger wearing the ring. Still further, a round shape ring easily clicks against a solid object that is held by a palm, thus often causing uncomfortable feeling. Moreover, a number of conventional rings are designed so as to have the decorative part provided with a gem held in place by a claw or partial lug, which is often caught in clothes a user is wearing, such as sweaters and stockings. On the other hand, a conventional method in which a gem is embedded in ground metal has a drawback that it fails to maximize the beauty of the gem.

[0003] The patent document US-A-1 687 020 describes a round corner quadrangular ring that comprises an inner circumference which has such a round corner quadrangular shape that it is close to a circumference of a finger.

### Disclosure of Invention

[0004] The inner circumference of the ring is formed in a round corner quadrangular shape so that it is closer to a finger's contour, as illustrated in Fig. 1, wherein a cutout of an elliptic or circular arc shape as denoted by symbol (a) is formed in the center of each of other three sides in a case where the decorative part is protruding from one side, or of four sides in a case where the decorative part is not protruding, whereby the ring itself can be prevented from being rotated sideways by the force developed by the contact with adjacent fingers. Further, when a user grasps the ring lightly with something solid being held in a palm, clicking sound generated when the ring clicks against the ring is reduced, providing better fitness.

[0005] Further, in order to hold the decorative part in place, suitable material such as metal is wound around the gem to define an annular part, as illustrated in Fig. 5, which is then coupled with a holding part (c) adjacent to the ring. In the case where the gem is mounted thereto, the annular part and the holding part thus coupled are cut in the two directions, i.e., vertically and horizontally, as illustrated with (d) in the drawings, and the gem is

firmly held in place, utilizing an elastic force which the above-mentioned metal has. Thereafter, it is fixed, using screws or pins, and then caulked.

[0006] Accordingly, the gem is surrounded by the annular part, and thus it is possible to prevent the decorative part with the gem from being caught in clothes or the like. In the meantime, the shape of the gem to be placed in the decorative part may be quadrangle, pentagon, hexagon, heptagon, octagon, or any other polygon, or otherwise round. The gem is cut so as to have a sharp edge around the entire periphery thereof, which is then provided with the annular metal wound therearound to thereby hold the gem in place.

### Brief Description of the Drawings

#### [0007]

Fig. 1 illustrates a round corner quadrangular ring of the invention.

Fig. 2 illustrates a round corner quadrangular ring with sides having an elliptic arc cutout in accordance with the invention.

Fig. 3 illustrates a ring as illustrated in Fig. 2, further including the decorative part with a gem held therein, showing where the annular part and the ring are coupled with each other.

Fig. 4 illustrates vertical and horizontal cutting planes (d) when mounting the gem thereto.

Fig. 5 is a top plan view of the decorative part of the ring according to the invention.

## Claims

1. Round corner quadrangular ring, comprising an inner circumference which has such a round corner quadrangular shape that is closed to a circumference of a finger, **characterised in that** three or four sides of the outer circumference of the ring are each formed to have an elliptic arc cut-out (a).
2. The ring as recited in claim 1, further comprising a gem-holding part and annular part surrounding said gem-holding part, said annular part being coupled with said ring by means of said gem-holding part.
3. The ring as recited in claim 2, wherein the annular part and the gem-holding part can be cut in two directions for holding the gem in place utilizing the elastic force of the metal of said annular part.
4. The ring as recited in claim 3, wherein the gem is fixed and caulked.

## Patentansprüche

1. Viereckiger Ring mit runden Ecken, der einen Innenumfang umfasst, der eine viereckige Form mit runden Ecken aufweist, die einem Umfang eines Fingers besser entspricht, **dadurch gekennzeichnet, dass** drei oder vier Seiten des Außenumfangs des Rings jeweils mit einer Aussparung in Form eines elliptischen Bogens (a) ausgebildet sind. 5  
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2. Ring nach Anspruch 1, der des Weiteren einen Edelsteinhalteteil und einen ringförmigen Teil, der den Edelsteinhalteteil umgibt, umfasst, wobei der ringförmige Teil mittels des Edelsteinhalteteils mit dem Ring verbunden ist. 15
3. Ring nach Anspruch 2, wobei der ringförmige Teil und der Edelsteinhalteteil in zwei Richtungen durchschnitten sein können, um den Edelstein unter Ausnutzung der elastischen Kraft des Metalls des ringförmigen Teils an seinem Platz zu halten. 20
4. Ring nach Anspruch 3, wobei der Edelstein fixiert und verstemmt ist. 25

## Revendications

1. Anneau quadrangulaire aux coins arrondis, comprenant une circonférence intérieure qui a une forme quadrangulaire aux coins arrondis telle qu'elle est proche d'une circonférence d'un doigt, **caractérisé en ce que** trois ou quatre côtés de la circonférence extérieure de l'anneau sont chacun formés pour présenter une découpe en arc elliptique. 30  
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2. Anneau selon la revendication 1, comprenant de plus une partie de maintien d'un gemme et une partie annulaire entourant ladite partie de maintien d'un gemme, ladite partie annulaire étant couplée audit anneau par des moyens de la partie de maintien du gemme. 40
3. Anneau selon la revendication 2, dans lequel la partie annulaire et la partie du maintien du gemme peuvent être découpées selon deux directions pour maintenir le gemme en place en utilisant la force élastique du métal de ladite partie annulaire. 45
4. Anneau selon la revendication 3, dans lequel le gemme est fixé et est calfeutré. 50

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FIG.1

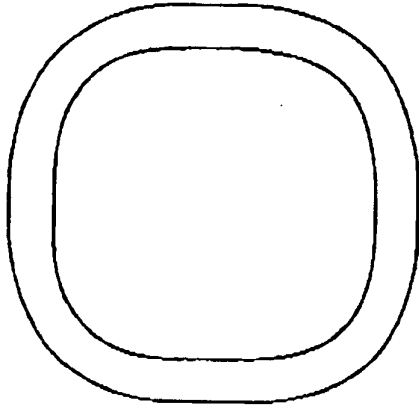


FIG.2

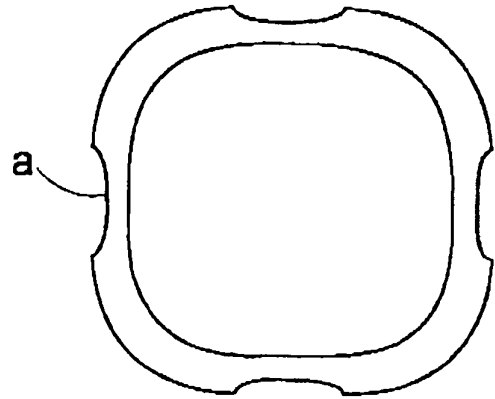


FIG.3

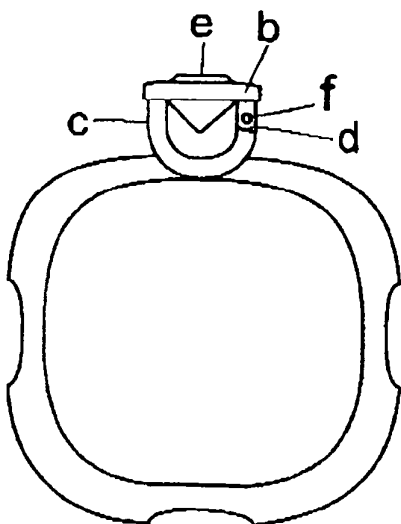


FIG.4

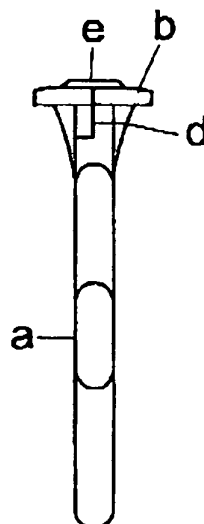
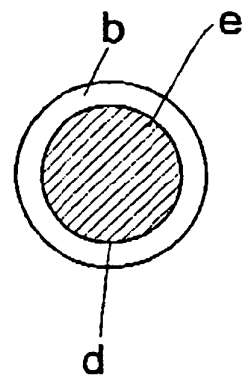


FIG.5



**REFERENCES CITED IN THE DESCRIPTION**

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**Patent documents cited in the description**

- US 1687020 A [0003]