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(54) **PIECE OF JEWELLERY**

(57) The invention relates to satisfying the life necessity of a human being, in particular to jewellery pieces and other ornaments which are carried on a body and fixed by piercing. The inventive jewellery piece comprises an ornate element, a piercing pin provided with an end-head and a hinged joint for connecting the pin to the ornate element and male and female links, wherein the male link is mounted on the ornate element, the female link is

mounted on the piercing pin and is embodied on the section mating therewith in such a way that the external surface thereof is convex and has a curved external shape whose size is greater than the size of the cross section of the piercing pin. Said invention increases the safety of use of jewellery pieces.

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## Description

[0001] The invention relates to the field of satisfying human needs of life, in particular, to jewellery pieces and other ornaments for wearing on the body with fixing by piercing.

[0002] A jewellery piece is known containing a decorative element, a piercing pin with removable end head and connection of the piercing pin with the decorative element (JP No.2001299414, A44C 7/00, 2001).

[0003] A disadvantage of the known jewellery piece is limited use only on body portions that are not subject to movement and active deformation, in particular, for decoration of ears. This disadvantage is conditioned by rigid connection of the piercing pin with the decorative element.

[0004] A more perfect and the closest analogue to the claimed jewellery piece is a jewellery piece containing a decorative element, a piercing pin with a removable end head and a hinged joint of the piercing pin with the decorative element having an male link and a female link (GB No.2381183 A44C 15/00, 2003).

[0005] The above jewellery piece, while ensuring freedom of active movement of the corresponding body portion due to moveable joint of the piercing pin with the decorative element, allows it to be fixed to different body portions, for example, to eyebrows or stomach. However, in virtue of design peculiarities of the hinged joint of the piercing pin with the decorative element, its use entails possible damage of the skin the area of piercing as a result of pinching between the surfaces of the male link and the female link.

[0006] The technical result, which can be attained when implementing the invention, consists in enhanced safety of using the jewellery piece.

[0007] The above technical result is achieved by a jewellery piece containing a decorative element, a piercing pin with removable end head and a hinged joint of the piercing pin with the decorative element having a male link and a female link due to the fact that the male link is mounted on the decorative element, while the female link is mounted on the piercing pin, wherein the female link in the section of mating with the piercing pin is made with the external surface of convex shape with a curvilinear outline having the overall dimensions greater than the overall dimensions of the cross-section of the piercing pin.

[0008] As well as due to the fact that the female link is provided with a recess having the overall dimensions less than the overall dimensions of the curvilinear outline of the external surface.

[0009] The essence of the claimed invention is explained by the drawings wherein Fig.1 gives the representation of the general view of the jewellery piece, Fig. 2 gives the A-A section, and Fig.3 and Fig.4 give variants of hinged joint.

[0010] The jewellery piece comprises decorative element 1 connected to piercing pin 2 and to removable end

head 3 (e.g., by a thread). The linkage between the decorative element 1 and the piercing pin 2 is provided in the form of a hinged joint formed by the male link 4 mounted on the decorative element 1 and the female link 5 mounted on the piercing pin 2 associated with the male link 4, for example, with axle 6 or protrusions 7 fixing the ears on the conjugated surfaces. The female link 5 in section mating with the piercing pin 2 is provided with the external surface of convex shape and with a curvilinear outline 8, having the overall dimensions (e.g., "D") greater than the overall dimensions (e.g., "d") of the cross-section of the piercing pin 2, and may be provided with a recess 9 having overall dimensions (e.g., "h" and "b") less than overall dimensions of the curvilinear outline of the external surface (e.g., "H" and "D", respectively).

[0011] Preventing the injury is ensured by position of the skin portion in the piercing area between the removable head 3 and the external surface of the convex shape with the curvilinear outline 6 and by the impossibility of displacement of the above skin portion to the hinged joint area, wherein comfortable conditions of contacting the jewellery piece with the skin are predetermined by the shape and sizes of the female link 5 and mobility required for this, by the sizes of recess 9 that are less than the overall dimensions of the curvilinear outline of the external surface.

## Claims

1. A jewellery piece comprising a decorative element, a piercing pin with a removable end head and a hinged joint of the piercing pin with the decorative element having a male link and a female link, **characterised in that** the male link is mounted on the decorative element and the female link is mounted on the piercing pin, wherein the female link section mating with the piercing pin is provided with an external surface of convex shape and with a curvilinear outline having the overall dimensions greater than the overall dimensions of the piercing pin.
2. The jewellery piece according to claim 1, **characterised in that** the female link is provided with a recess having the overall dimensions less than the overall dimensions of the curvilinear outline of the external surface.

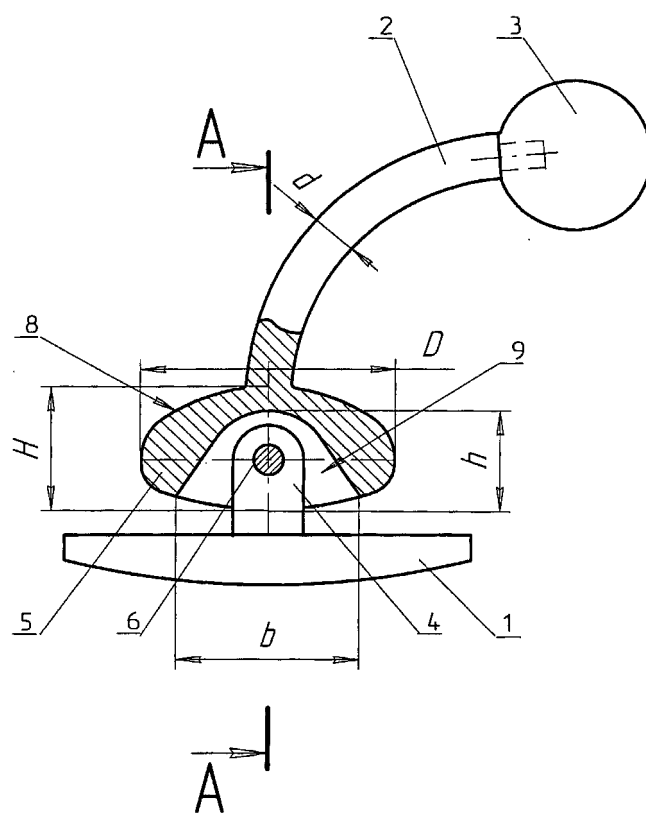


Fig. 1

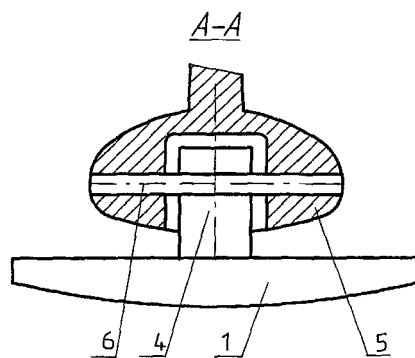


Fig. 2

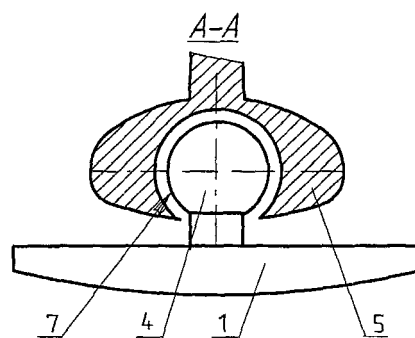


Fig. 3

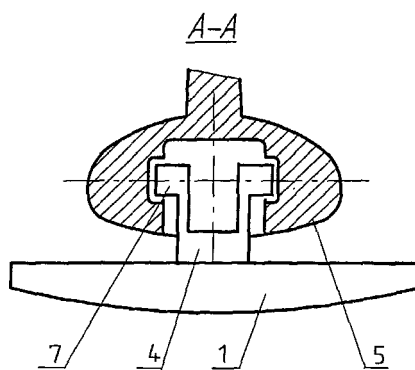


Fig. 4

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/RU 2005/000053

A. CLASSIFICATION OF SUBJECT MATTER		
A44C 7/00, 25/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
A44C 7/00, 15/00, 25/00, 27/00		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2381183 A (PETER LAWTON) 30. 04. 2003, the abstract, the drawings	1-2
A	RU 19350 U1 (MUIGG LARISA NIKOLAEVNA et al) 27.08.2001	1-2
A	US 2002/0013598 A1 (RAIMOND LASAR) 31. 01. 2002	1-2
A	US 6026659 A (DENNIS JOHN KAPING, JR.) 22. 02. 2000	1-2
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>		
Date of the actual completion of the international search		Date of mailing of the international search report
27 April 2005 (27.04.2005)		02 June 2005 (02.06.2005)
Name and mailing address of the ISA/		Authorized officer
Facsimile No.		Telephone No.

Form PCT/ISA/210 (second sheet) (July 1992)

**REFERENCES CITED IN THE DESCRIPTION**

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**Patent documents cited in the description**

- JP 2001299414 B [0002]
- GB 2381183 A [0004]