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(54) **Lamp socket**

(57) This invention refers to a socket of type E4 for lamps for external and internal decoration in lights of different shapes (stars, bells, prismatic ball).

After its connection with cable (2) the socket attached the brass contacts (nails) (5) and provides the

lamp (3) with electricity. The socket is locked with a cover (10) bearing two internal vanes (14).

In socket a special small flange (15) is placed with such an internal form (16) that provides us with excellent water tightness.

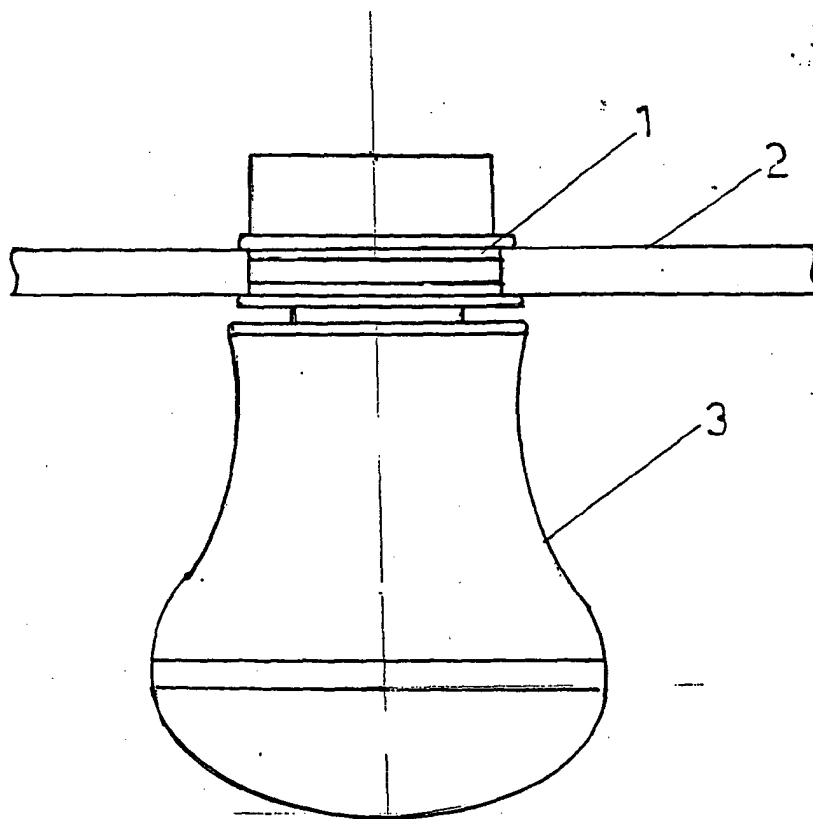


fig 1

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Description

[0001] This invention refers to a socket of type E4 for lamps for external and internal decoration in lights of different shapes (stars, bells, prismatic ball).

[0002] There are plenty sockets. Mine is a special type that has great advantage against the others in the following points.

[0003] In sockets metallic part of lamp touched the reception resulting to danger for the one who was using it. In my invention this risk never comes up, because not only socket is covered parametrically by a special small flange but also it is in safety distance from the external wall of socket. This is necessary according to manufacturing standards, in that metallic part must have a distance from socket.

[0004] The cable is put in socket simply by screwing the cover. The small nails of socket come through cable resulting to direct connection and contact of socket to cable.

[0005] The cover has such an internal structure that by screwing it locks with its two vanes of the body of socket in peripheral receptions of the below part of cover.

[0006] As a result cover after its screwing cannot be removed (it is massive), fact which is required by the standards.

[0007] To this result contributes the presence of two internal vanes in the upper part of cover, which is one-way and cannot be removed.

[0008] The brass contacts (nails) are placed sidelong (diatonically), because in this way they have 100/100 contact with the cable pipes.

[0009] In this invention a socket is presented that in its internal part a special small flange is placed. Thus, with the instalment of lamp in socket water tightness is provided even without the placement of polycarbonate covers (lamp - star and prismatic ball).

[0010] An application is presented in the attached figures:

In Figure 1 an assembled socket with lamp is noted.

In Figure 2 we see the frontage of socket.

In Figure 3 the frontage of cover is noted.

In Figure 4 we see the top view of cover.

In Figure 5 the upper view of cover is presented.

In Figure 6 the upper view of socket is noted.

In Figure 7 we see the other side of socket.

In Figure 8 the frontage of special small flange is presented.

In Figure 9 the below part of special small flange is noted.

[0011] According to figures socket (1) is comprised of main body (4) with its spiral (4a), 3 rings (7), (8), (9), the upper screw part (6) of cover (10), metallic brass contacts (nails) (5).

[0012] The cover has spiral internally (12) and periph-

eral forms (11) for its screwing in its vanes (13). The cover has two internally vanes (14). Finally in socket a special small flange (15) is placed with internal format (16).

[0013] After its connection with cable (2) the socket attached the contacts (5) and provides the lamp (3) with electricity.

Claims

1. A socket (1) is comprised of main body (4) with its spiral (4a), 3 rings (7), (8), (9), the upper screw part (6) of cover (10), metallic brass contacts (nails) (5). The cover has spiral internally (12) and peripheral forms (11) for its screwing in its vanes (13). The cover has two internally vanes (14). Finally in socket a special small flange (15) is placed with internal format (16).

After its connection with cable (2) the socket attached the contacts (5) and provides the lamp (3) with electricity.

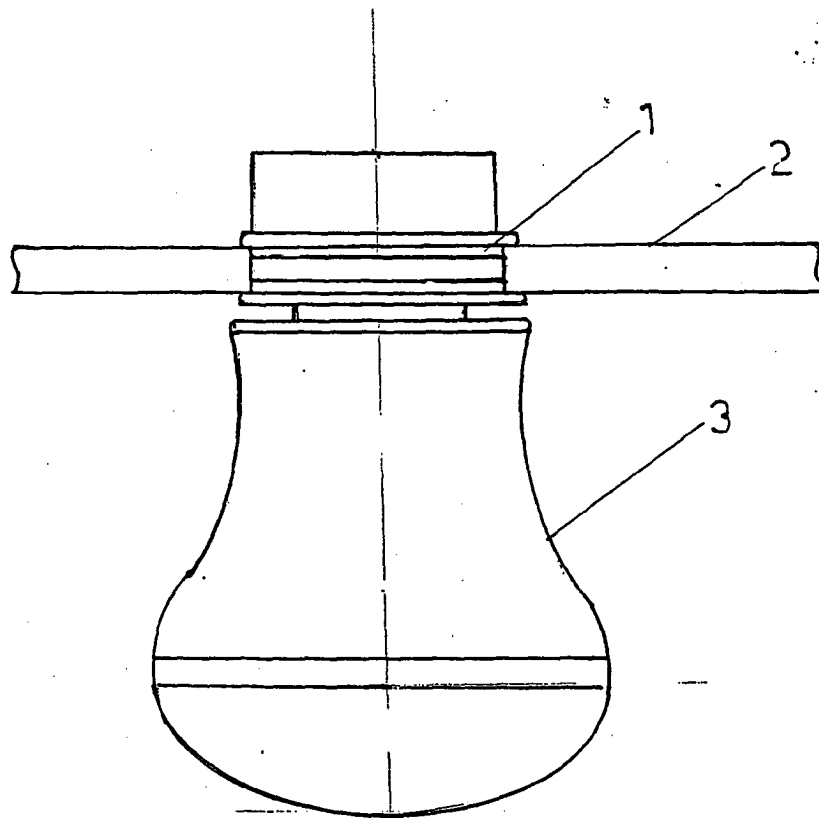


fig 1

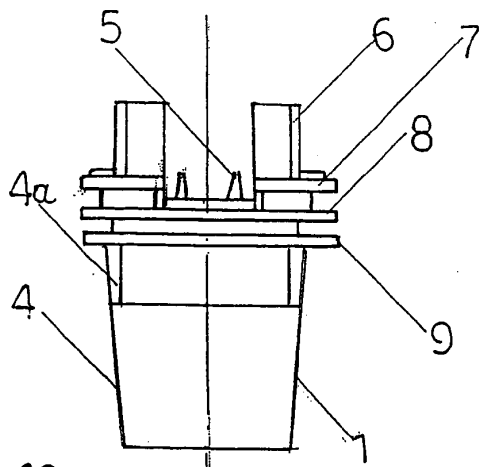


fig 2

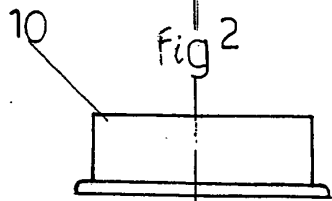


fig 3

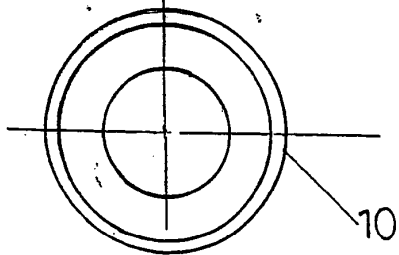


fig 4

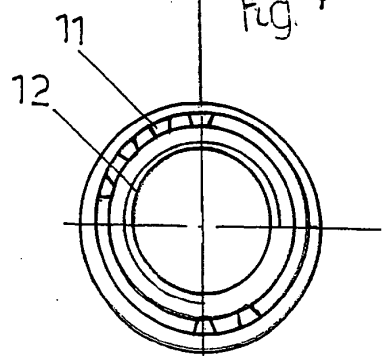


fig 5

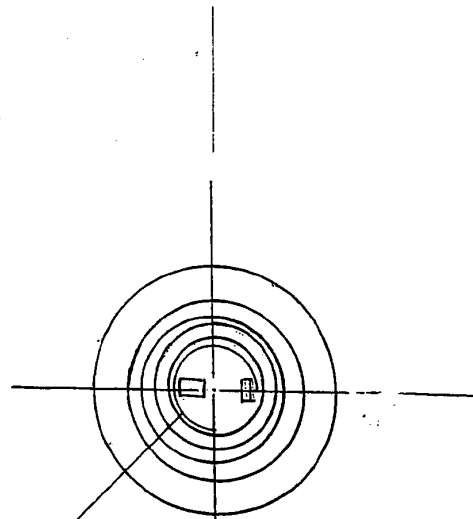


fig 6

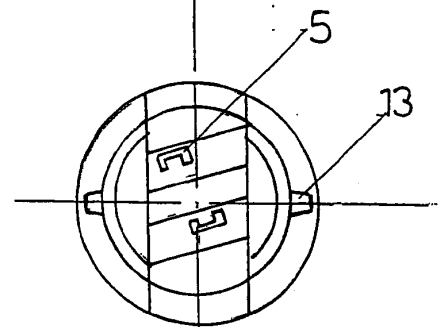


fig 7

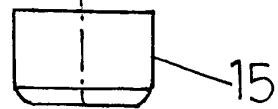


fig 8

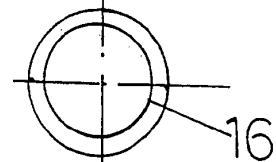


fig 9



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EUROPEAN SEARCH REPORT

Application Number
EP 03 38 6008

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	WO 99 57483 A (PALEOHORINOS IOANNIS) 11 November 1999 (1999-11-11) * figures 1-9 *	1	F21V21/002
A	FR 2 049 956 A (ANTON HUMMEL METAL) 26 March 1971 (1971-03-26) * figures 1,6-9 *	1	
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A	US 2 848 643 A (LUCY SPATARO) 19 August 1958 (1958-08-19) * figure 5 *	1	
A	EP 1 227 553 A (PALAIOHORINOS IOANNIS) 31 July 2002 (2002-07-31) * figure 8 *	1	
A	US 5 743 757 A (CHEN MING-HSIUNG) 28 April 1998 (1998-04-28) * figure 1 *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F21V H01R
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 2 September 2003	Examiner Garcia Congosto, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (F04C01)

**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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