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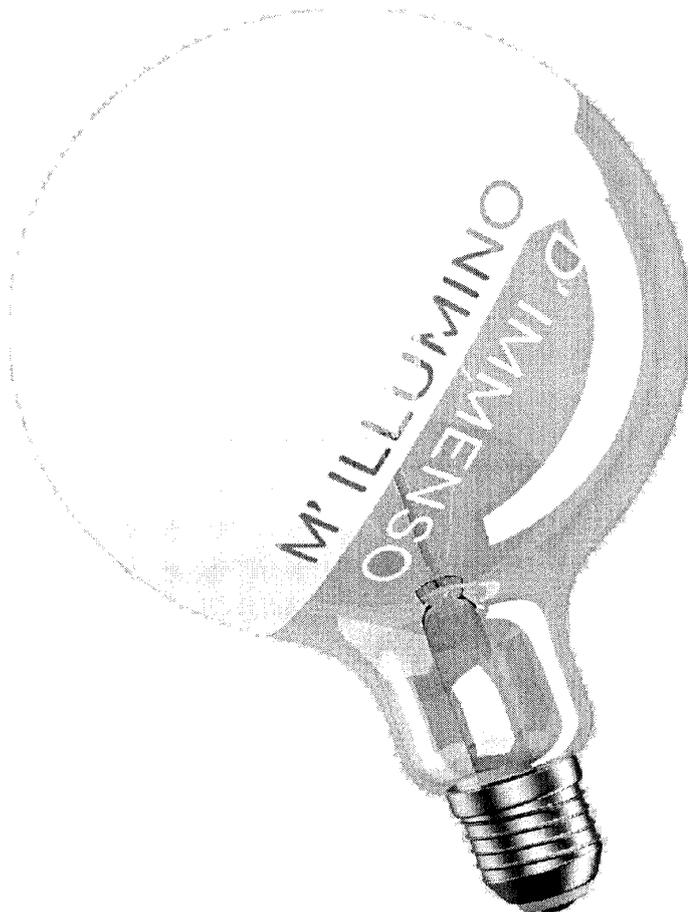
(54) **LAMP WITH SHIELDING IN FORM OF TEXT OR GRAPHICAL SYMBOLS**

(57) The TATTOO LAMP is a light bulb (light source) to which texts and graphic symbols are applied on its glass bulb.

masked by acting on its glass bulb with the double aim of increasing visual comfort and making it an instrument for communicating texts and graphic symbols.

In fact, through a series of processes, the bulb is

FIG 1



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DescriptionField of technology

[0001] This utility model is applied in the lighting sector and has as its object the development of a light bulb partially or totally shielded from drawings, writings and graphic symbols.

Technique state

[0002] Up to now, the bulbs, used without covering of special lampshades, dazzle, as the luminous filaments have no shielding

The visual phenomenon causes a sense of visual discomfort and "discomfort" due to the contact between the light source and the visual field: by looking at a lit light bulb in fact (not shielded or protected by lampshade), our retina significantly lowers its sensitivity in all the space around the image. Under these conditions it is obviously no longer possible to see anything around the area where the light source is located. The retina needs time to adapt to the vision situation after it has been dazzled by any light source.

Presentation of the invention

[0003] The object of the present invention is to partially or totally shield the bulb (light source) with texts, writings or graphic symbols with the dual objective of increasing visual comfort by reducing or eliminating glare and simultaneously making the bulb a vehicle for communicating messages, texts, graphic symbols.

[0004] The object of this request is therefore not the shielding itself, but the shielding carried out by applying texts, writings and graphic symbols to the glass. With the present invention the shielding becomes a graphic element.

[0005] This invention makes the light bulb a comfortable light source and at the same time a characterizing furnishing element.

Brief description of the drawings

[0006] The characteristics and advantages of the invention will be more evident in the light of the detailed description of some explanatory drawings:

PIC. 1 is a view of the "m'illumino" lamp, partially satin-finished with the word "m'illumino di immenso" placed at the edge of the satin finish (above and below). Below is a description of the two distinctive elements of the present invention:

- The frosted shield prevents the glare of the bulb both when placed with the ferrule at the bottom (as the light source of a table lamp) and when placed with the ferrule at the top (light source of

a ceiling suspension) and when placed with the horizontal ferrule (light source of a wall light).

- The writing "M'illumino d'immenso" enhances the lamp making it a characterizing furnishing object.

PIC. 2 is a view of the "LOVE1" lamp, which shows the graphic sign "Love" inside a round shield that covers the filaments.

[0007] Picture 1 and Picture 2 represent different lamps, processed and shielded with different technology but with the same result: shielding the light source by imprinting on the glass of the bulb symbols, graphic and written signs in order to make it at the same time shielded and a communication tool

Detailed description of a preferred embodiment example

[0008] With reference to the attached pictures, we achieve the objectives described (partial or total shielding with the application of graphic symbols, written) using two different technologies:

- PIC.1: the glass of the bulb is partially satin-finished with a special procedure which consists in "micro-blasting" the glass to make it satin-finished. The word "m'illumino" is covered in this phase to maintain transparency. The "immense" writing, on the other hand, is satin and is worked by covering the front part.
- PIC.2: the glass of the bulb is shielded by a round base and a "LOVE" writing obtained by means of "pad printing": the glass is "stamped" with special tools by affixing the desired design

[0009] From what has been described, it is clear that, regardless of the type of processing, the result of simultaneously obtaining the shielding of the light bulb by improving the visual comfort by avoiding glare, making the screen the light bulb itself is a characteristic furnishing element.

[0010] The object of the invention is susceptible of numerous modifications and variations, all of which are within the inventive concept expressed in the attached claims. Any writing, graphic sign and text properly used, and applied with any technology to the light bulb, achieve the set objectives and constitute technically equivalent elements; the technologies used may be different according to requirements, without departing from the scope of protection of the present invention.

[0011] Even if the object has been described with particular reference to the attached figures, the technologies used and described do not constitute any limitation to the scope of protection claimed.

Claims

1. The bulb partially or totally shielded by graphic symbols and / or writings and / or texts applied with any processing on the glass of the bulb itself, capable of significantly reducing the typical glare of the bulb itself

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FIG 1



Fig. 2





EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2011/030335 A2 (SHTERENBERG YOSEF [IL]) 17 March 2011 (2011-03-17) * page 5, line 2 - page 6, line 13 * * page 9, line 2 - page 10, line 12; figures 1A-C, 2A-C *	1	INV. H01J5/08 H01K1/28 H01K1/32
X	US 3 652 892 A (NAMEDA NAEYOSHI ET AL) 28 March 1972 (1972-03-28) * column 1, lines 4-59 * * column 3, line 32 - column 4, line 9; figures 7A, 7B, 9 * * column 5, lines 13-21 *	1	ADD. G09F13/26 G09F13/28
X	DE 469 279 C (PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH) 8 December 1928 (1928-12-08) * the whole document *	1	
X	DE 20 2012 008246 U1 (PETERS BENJAMIN [DE]) 6 December 2012 (2012-12-06) * the whole document *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01J G09F H01K
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 2 June 2020	Examiner Schmidt-Kärst, S
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	

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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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02-06-2020

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2011030335 A2	17-03-2011	NONE	
US 3652892 A	28-03-1972	DE 1955421 A1 FR 222560 A US 3652892 A	16-07-1970 02-06-2020 28-03-1972
DE 469279 C	08-12-1928	NONE	
DE 202012008246 U1	06-12-2012	NONE	

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82