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(54) **Revolving lamp**

(57) Cylindrical and oval-shaped spotlight with two bodies, heading a spotlight-base body (5) composed of a connection strip (1), a ceiling fixing element (2), a stop plate (3), with its corresponding screws (4), a rotary-spot-

light body (7) containing a spotlight body holder (8), a spotlight-bulb (9) with another stop plate (3), with its corresponding screws (4), two flexible cover fixing springs (10) and a round bulb cover (11), and a double-faced turning disc (6) that fixes the two bodies of the spotlight.

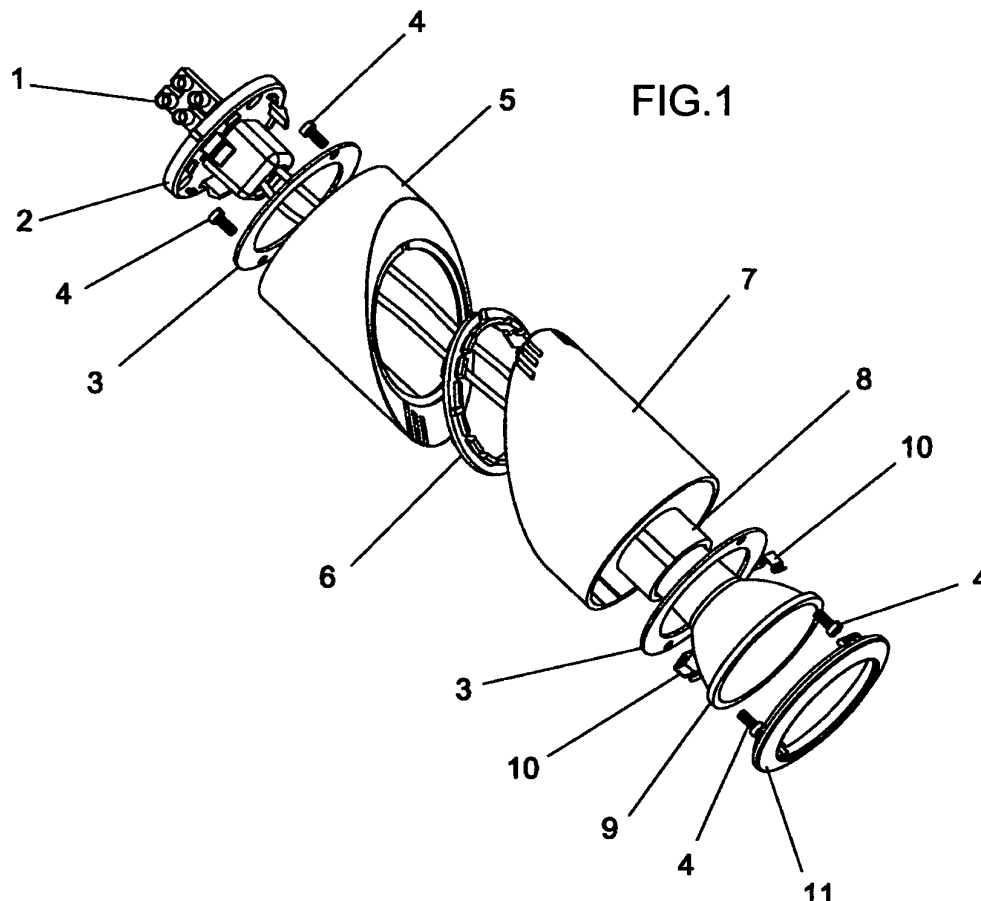


FIG.1

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Description

Technical sector

[0001] The invention protected in this Utility Model is an illumination device with a cylindrical and oval shaped rotary spotlight

[0002] Therefore, it is defined as a spotlight for halogen bulbs, which can be installed on flat surfaces, i.e., walls and ceilings, or on different furniture and furnishing surfaces.

Prior art

[0003] The use of halogen bulb spotlights is well known and has a widespread use in homes and commercial installations. However, the different configurations establish a series of procedures or systems with fixed or mobile spotlights which require a hinged device on the spotlight-halogen bulb.

Technical problem

[0004] As a result, the spotlights embedded on the ceiling or hanging spotlights that are currently used for domestic or commercial purposes (shop windows, showcases, etc.) have some limitations when compared to the invention presented here, since the projection of the beam of light depends on the location of the spotlight on the surface it is installed, whereby the projection of light follows a linear course (or even diagonal) due to the titling movement of the device.

Technical solution

[0005] Therefore, with the new invention we can offer a spotlight that excels in its multidirectional function to expand the turning radius of the light beam, with the structure of a lamp in the form of a prism with two coupled bodies - in its cylindrical and oval configuration - that are divided at an angle of 45°. Each body can turn independently, thus offering a spotlight with a turning radius of 358°. We have achieved a turning radius that is almost complete for the beam of light projected on the surfaces selected by the user.

Advantageous effects

[0006] For these reasons, this invention has achieved an illumination device that has more advantages than the current and well known devices, as a result of its functional characteristics, the simplification of its shape and dimensions and its quick assembly, in addition to its functions and multidirectional projection capacity of its beam of light.

Industrial application

[0007] This spotlight solves aesthetic and illumination functions since it is not limited by the location on a specific surface, allowing us to control and direct the light projection radius, for example, in: Street furniture (porches, newsstands, bus stops, displays and showcases, etc.), shops (shop windows, skirting boards or baseboards, decorative uses, etc.), public buildings or means of transport, such as museums, trains and airplanes, congress rooms, exhibition sites, fairs, etc.

[0008] Its cylindrical and oval shape and arrangement offers aesthetic and functional qualities, resulting in a comfortable and easy rotary operation of the spotlight by any user.

[0009] The whole set contributes towards producing results and illumination applications to the scope of use of the invention, which are not present in today's current illumination environments.

Description of figures

[0010] For a better understanding of the aforesaid general characteristics, there are various figures included in this document to state its different features, such as its cylindrical and oval configuration, as stated next:

Figure 1: Projection in perspective and in general of the set composed by a rotary cylindrical spotlight, with a view of each component. Said set is composed of a connection strip (1), a ceiling fixing element (2), two stop plates (3), with their corresponding screws (4), a cylindrical spotlight-base body (5), a double-faced turning disc (6), a cylindrical rotary-spotlight body (7), a spotlight body holder (8), a spotlight-bulb (9), two flexible cover fixing springs (10) and a round bulb cover (11).

Figure 2: Front view, profile and base drawing of the rotary cylindrical spotlight.

Figure 3: Profile drawing of the rotary cylindrical spotlight with its 45° angle, dividing the body in spotlight-cylindrical base (5) and the spotlight body-rotary cylindrical body (7).

Figure 4: Profile drawing of the rotary cylindrical spotlight with its ceiling fixing element (2), spotlight body-base (5), cylindrical rotary-spotlight body (7), double-faced turning disc (6), connection strip (1) and a bulb cover (11).

Figure 5: Three profile views of the rotary cylindrical spotlight with different light projection directions.

Figure 6: Projection in perspective and in general of the set composed by a rotary oval spotlight, with a view of each component. Said set is composed of

a connection strip (1), a ceiling fixing element (2), two stop plates (3), with their corresponding screws (4), an oval spotlight-base body (5), a double-faced turning disc (6), an oval rotary-spotlight body (7), a spotlight body holder (8), a spotlight-bulb (9), two flexible cover fixing springs (10) and an oval bulb cover (11). 5

Figure 7: Profile view with a section of the rotary oval spotlight, composed of a connection strip (1), a ceiling fixing element (2), two stop plates (3), with their corresponding screws (4), an oval spotlight-base body (5), a double-faced turning disc (6), an oval rotary-spotlight body (7), a spotlight body holder (8), a spotlight-bulb (9), two flexible cover fixing springs (10) and an oval bulb cover (11). 10 15

Figure 8: Three profile views of the rotary oval spotlight with different light projection directions, showing the ceiling fixing element (2), an oval spotlight-base body (5), an oval rotary-spotlight body (7) and an oval bulb cover (11). 20

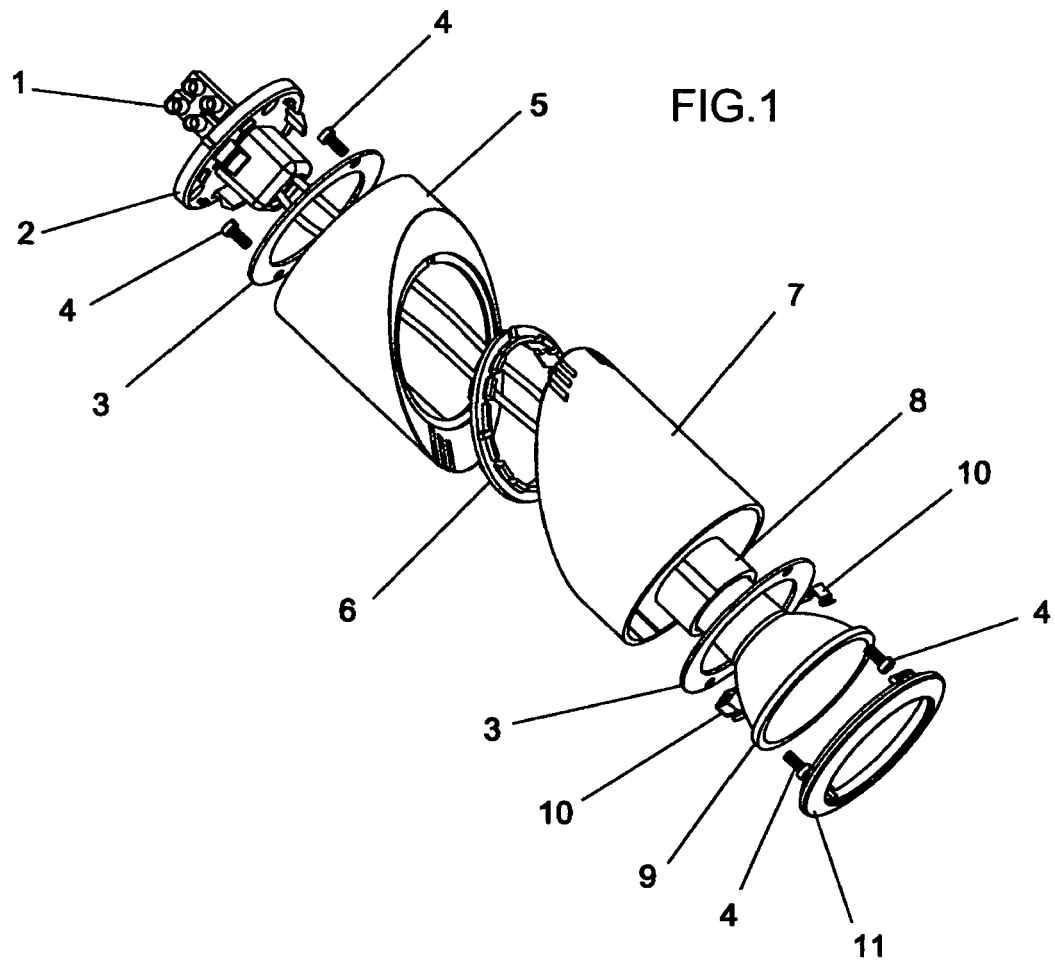
Claims

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1. - Rotary spotlight **characterised by** its cylinder with two bodies: A cylindrical spotlight-base body (5) composed of a connection strip (1), a ceiling fixing element (2), a stop plate (3), with its corresponding screws (4); a cylindrical rotary-spotlight body (7), a spotlight body holder (8), a spotlight-bulb (9), with another stop plate (3) and its corresponding screws (4); two flexible cover fixing springs (10) and a round bulb cover (11) and a double-faced turning disc (6) that fixes the two bodies of the spotlight. 30 35
2. Rotary spotlight **characterised by** its oval section with two bodies: An oval spotlight-base body (5) composed of a connection strip (1), a ceiling fixing element (2), stop plate (3), with its corresponding screws (4); an oval rotary-spotlight body (7), a spotlight body holder (8), a spotlight-bulb (9), another stop plate (3), with its corresponding screws (4); two flexible cover fixing springs (10) and an oval bulb cover (11) Both bodies are fixed by a double-faced rotary disc (6). 40 45

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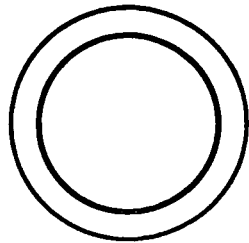


FIG.2

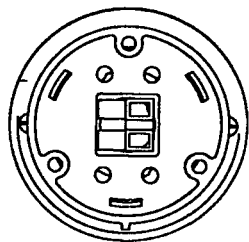
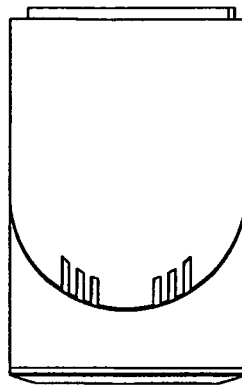
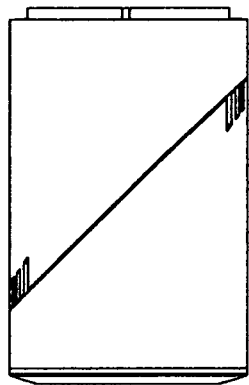


FIG.3

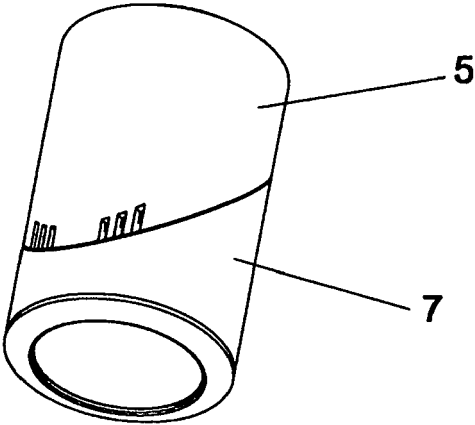


FIG.4

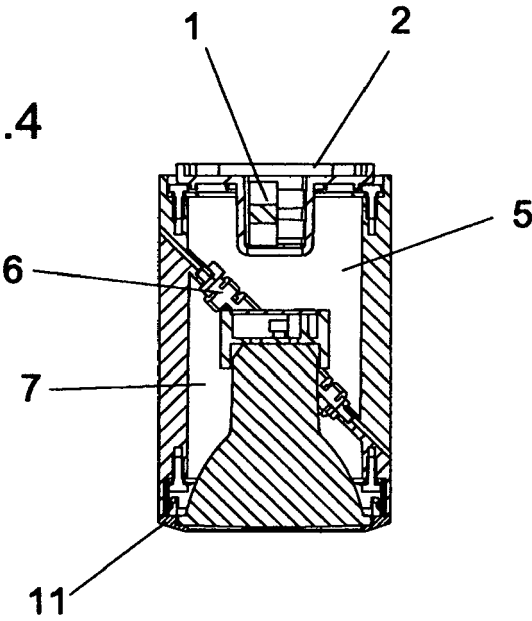


FIG.5

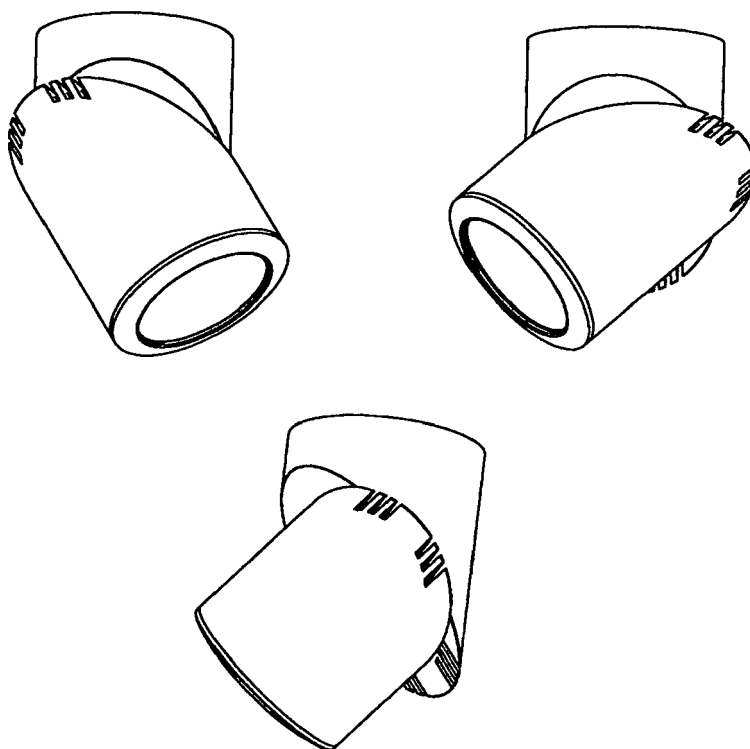


Fig6

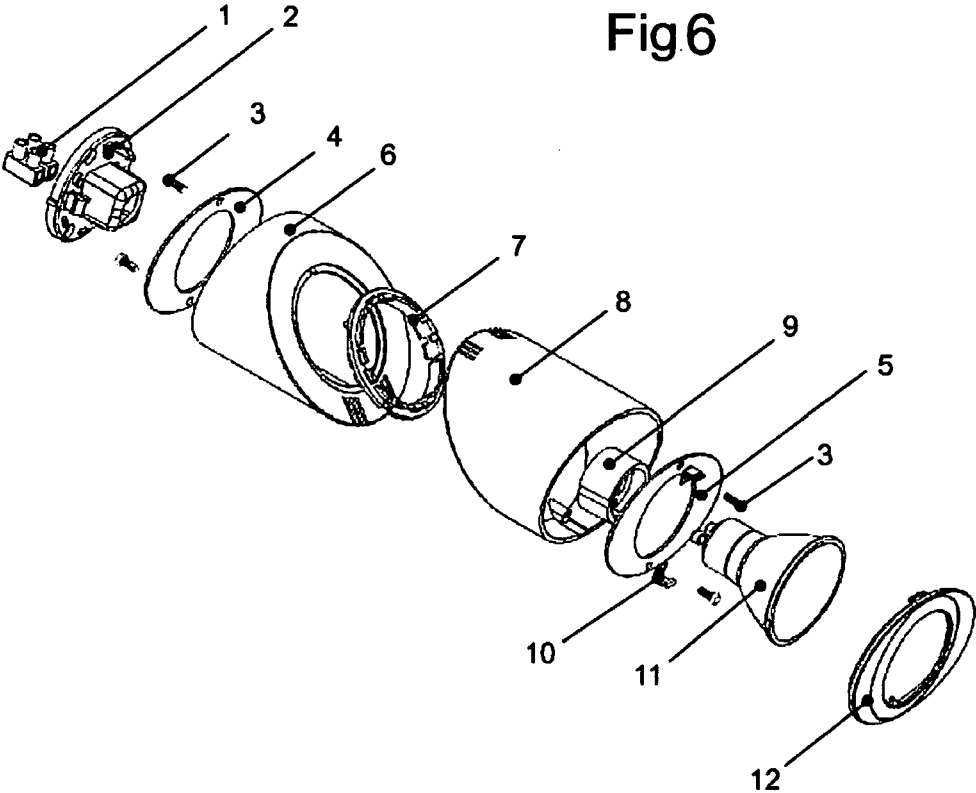


Fig.7

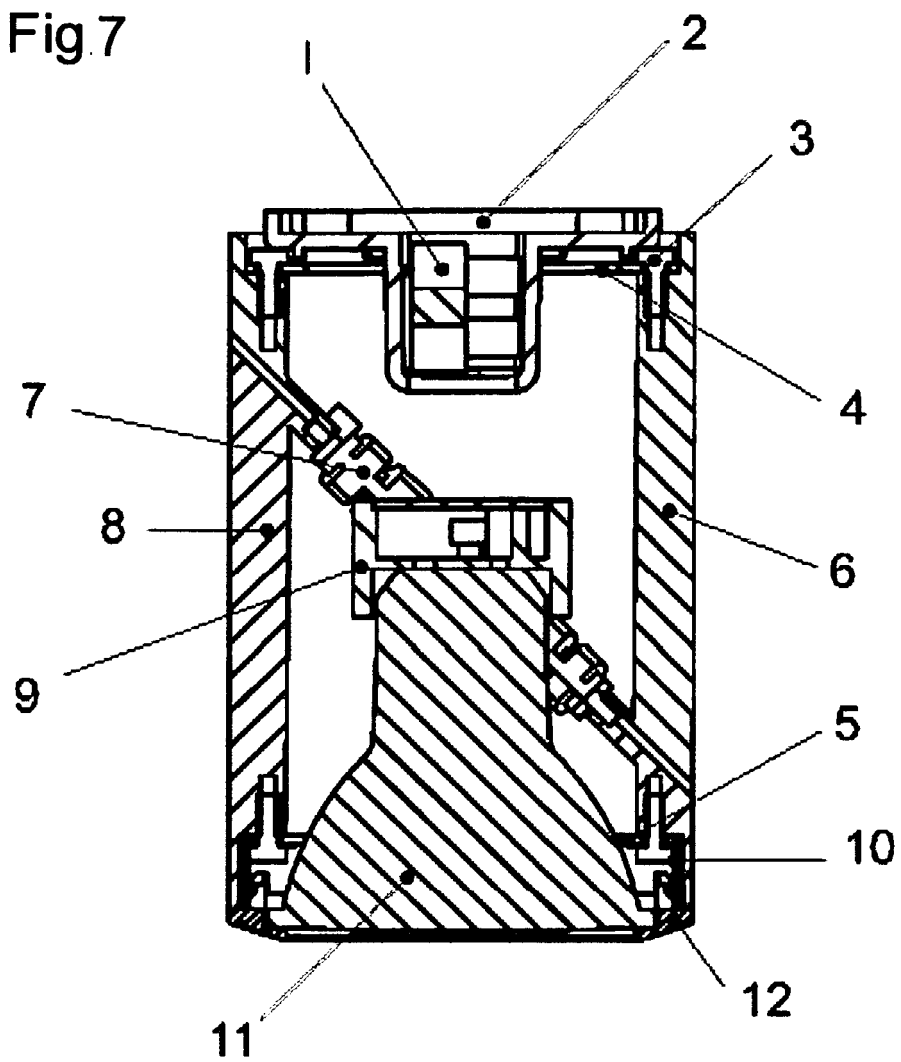
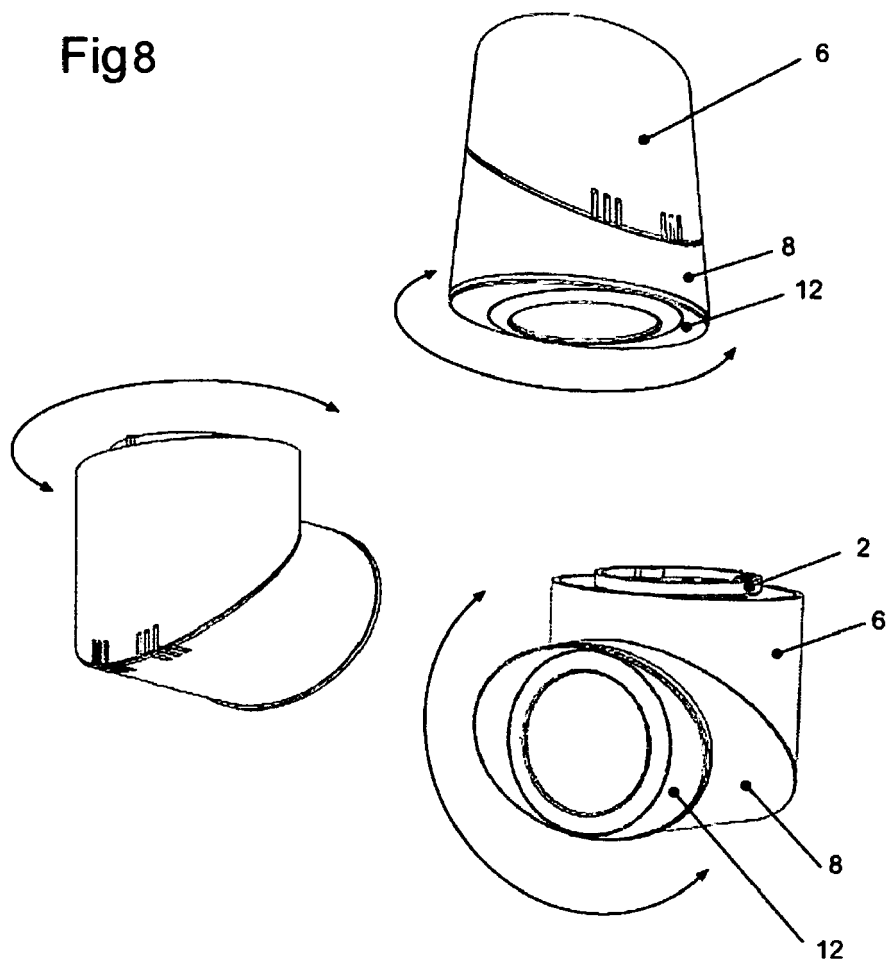


Fig8





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 07 38 0111

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) F21V
Place of search Munich		Date of completion of the search 22 October 2007	Examiner HERNANDEZ, R
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.
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22-10-2007

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