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(54) **Vehicle lighting device with an annular reflector, and relative improved reflector**

(57) A vehicle lighting device (1), typically a head-lamp or signal lamp, including a casing (2); a light source (3) and a reflector (4) housed inside the casing; and a transparent cover (5) closing the casing and positioned opposite the light source. The reflector is defined by a ring (20) made of material pervious to light, and constituting an internal-reflection lens. And the ring is bounded by a front surface (21) facing the transparent cover and located inside the casing, on the opposite side to the light source; by an inner lateral surface (22), e.g. defining a geometrical figure of revolution having an axis of symmetry (A) defining an optical axis of the lighting device, along which the light source is located; and by an outer lateral surface (23) which is concentric with the inner lateral surface, defines with the inner lateral surface an interface bounding the internal-reflection lens defined by the ring, and includes at least one inclined surface (24) forming such an angle with the optical axis that the light rays inside the internal-reflection lens defined by the ring (20) are reflected totally onto the front surface (21).

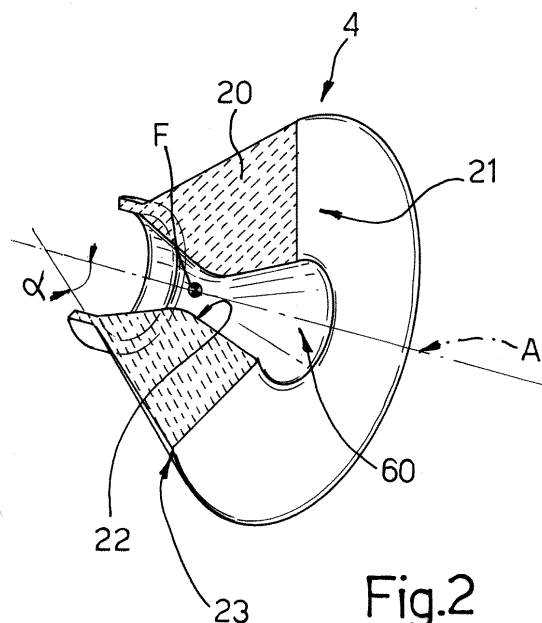


Fig.2



European Patent
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EUROPEAN SEARCH REPORT

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EP 04 10 3552

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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)
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		1 June 2005	De Mas, A
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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