

Title (en)
LANTERN FOR EMITTING A WARNING SIGNAL IN A CIRCULAR MANNER

Title (de)
LATERNE ZUM RUNDUMABSTRAHLEN EINES WARNSIGNALS

Title (fr)
LANTERNE POUR METTRE UN SIGNAL D'ALARME DE MANIÈRE CIRCULAIRE

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Abstract (en)

[origin: WO2005124224A1] The invention relates to a lantern comprising a base body (1), an annular shaped support element (10) and an internal and external belt optical system (16, 2). Illuminating means are arranged in an annular manner on the support element (10) which comprises a belt reflector (17, 18). Each illuminating means (15) emits light in relation to the axis of the lantern (14) in a radial manner towards the outside in an solid angle area, which covers a polar angle (delta), in relation to the lantern axis (14), which is considerably greater than a desired polar angle area (B), wherein the warning signal is emitted about an average polar direction (alpha). The light emitted by the illuminating means (15) transverses the belt optical system (16, 2) either without hitting the belt reflector (17, 18), or after being reflected by the belt reactor (17, 18) in a radial manner towards the outside. Illuminating means (15), the belt reactor (17, 18) and a belt optical system (2, 16) are adapted in relation to each other such that the total light, exiting from the external belt optical system (2) within the desired polar angle area (beta), is emitted in a polar direction about the average polar direction (alpha).

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