

Title (en)

LENS ARRANGEMENT FOR SIGNAL LAMP, FREE OF IMAGE PHANTOMS

Publication

**EP 0453932 A3 19920408 (DE)**

Application

**EP 91106077 A 19910417**

Priority

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Abstract (en)

[origin: EP0453932A2] The invention describes a signal arrangement (1) having a lens arrangement (2) free of ghost images. The lens arrangement consists of a plurality of plano-convex lenses (19 to 21) arranged distributed over an exit surface thereof. The convex curved surfaces (22 to 24) of these lenses face the reflector (8), which emits a parallel light beam (16) and is assigned to a light source (3). The planar surfaces (25 to 27) of these lenses, which are aligned approximately perpendicular to the parallel light beam (16) face a viewer (29). Arranged distributed over the exit surface or exit plane of the lens arrangement (2) is a multiplicity of planar surfaces (25 to 27) of which each is respectively assigned a plano-convex lens (19 to 21, 37). The total area of the planar surfaces (25 to 27) is between 3% and 20%, preferably 7%, of a cross-sectional area of the parallel light beam (16) projected by the reflector (8) onto the curved surfaces (22 to 24). Each planar surface (25 to 27) has an areal dimension of between 7 mm<2> and 0.02 mm<2>, preferably 0.3 mm<2>. <IMAGE>

IPC 1-7

**F21Q 3/00**

IPC 8 full level

**F21S 8/00** (2006.01)

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**F21V 5/04** (2013.01 - EP US); **F21W 2111/02** (2013.01 - EP)

Citation (search report)

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