Title (en)

AN LED ILLUMINATED LAMP ASSEMBLY

Title (de)

LEUCHTE MIT LED-BELEUCHTUNG

Title (fr)

ENSEMBLE LAMPE A ECLAIRAGE PAR DEL

Publication

**EP 0874964 A4 20000112 (EN)**

Application

**EP 97904726 A 19970107**

Priority

- US 9700005 W 19970107
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- US 76113996 A 19961206

Abstract (en)

[origin: CA2243593A1] The present invention provides for a lamp assembly that includes a lens (1) that optimizes and redirects light in a desirable direction in order to meet certain regulations. The lens of the present invention works in combination with specific LEDs (11) to efficiently redirect light emitted from the LEDs (11). The assembly includes a circuit board (9) including a plurality of rows of LEDs (11) and a lens (1), which has an exterior surface (7) and an interior surface (5). The interior surface (5) of the lens (1) comprises a plurality of rows of horizontal bands (3) with a single band being associated with a row of LEDs (11). Each of the bands (3) has an upper region (3a) and a lower region (3b) used to redirect some light rays downward, allow some rays to travel uninterrupted and redirect some light horizontally.

IPC 1-7

**F21V 5/04**; F21K 7/00; F21Q 3/00

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CPC (source: EP US)

**F21V 5/04** (2013.01 - EP US); **G08G 1/095** (2013.01 - EP); F21Y 2115/10 (2016.08 - EP)

Citation (search report)

- [A] EP 0390757 A2 19901003 - ERICSSON TRAFFIC SYSTEMS [SE]
- See also references of WO 9726483A1

Cited by

EP2578930A2; US9086192B2; EP2677235A1; WO2013189768A1

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