

Title (en)

Tunnel light and tunnel lighting system with a number of such tunnel lights

Title (de)

Tunnelleuchte sowie Tunnelbeleuchtungssystem mit einer Vielzahl solcher Tunnelleuchten

Title (fr)

Lampe de tunnel et système d'éclairage de tunnel doté d'une multitude de telles lampes de tunnel

Publication

EP 2112428 B1 20151028 (DE)

Application

EP 09005598 A 20090421

Priority

DE 102008019944 A 20080421

Abstract (en)

[origin: EP2112428A1] The light i.e. tunnel light (1), has an optics for realization of asymmetric luminous intensity distribution and uniform illumination of a surface of a road (12) or a tunnel (10) and areas lying over the road. Luminous flux of the light is limited to a half-space (21) viewable in a travel direction and lying behind the light. The luminous flux is limited to a cone or club-shaped radiation area (8) whose major axis is acute angularly inclined to the travel direction and directed to the road. A set of punctiform light sources i.e. LEDs, is provided.

IPC 8 full level

F21S 8/00 (2006.01); **F21S 4/00** (2006.01); **F21V 5/08** (2006.01)

CPC (source: EP US)

F21S 2/00 (2013.01 - EP US); **F21S 4/20** (2016.01 - EP); **F21S 6/001** (2013.01 - EP); **F21S 8/086** (2013.01 - EP); **F21V 5/08** (2013.01 - EP US); **F21W 2131/101** (2013.01 - EP); **F21Y 2103/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (examination)

- EP 0479693 A1 19920408 - POMERO CLAUDE [FR]
- DE 1212461 B 19660317 - SIEMENS AG
- DE 724254 C 19420821 - ZEISS IKON A G GOERZ WERK

Cited by

CN108870212A; CN113883437A; DE202019100380U1; CN103353080A; CN104566079A; US11619359B2; WO2013056985A1; WO2017207683A1; US9605819B2; EP3418629A1; CN110708839A; EP3748227A1; WO2011098515A1; WO2010056117A1

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