

Title (en)

Coloured lights, for example for luminous advertising, outdoor and indoor lighting.

Title (de)

Farbige Leuchte, z.B. für Leuchtreklame, Aussen- und Innenbeleuchtung.

Title (fr)

Dispositif d'éclairage en couleurs, par exemple pour la publicité lumineuse, l'éclairage extérieur et intérieur.

Publication

EP 0029199 A1 19810527 (DE)

Application

EP 80106932 A 19801110

Priority

DE 2946191 A 19791115

Abstract (en)

[origin: US4382272A] A colored lamp is emitting colored light of a given range of wavelengths and particularly useful for interior and exterior lighting, for luminous advertising, for street lighting, for signal lights and for decorations characterized by a source of light and an arrangement for absorbing a light wave spectrum which has a shorter wavelength than the given range and for emitting light with a longer wavelength due to photo-luminescence with the arrangements including at least one body provided with a luminescent substance for absorbing the light and emitting the luminescent light. The body may be formed by a container of liquid, a bundle of optical fibers or a solid member which acts as a light concentrator in such a manner that the incident light is collected and conducted by means of a photo-luminescent scattering and subsequent total reflection at the boundary surfaces of the body, with the luminescent light being emitted in specific output locations.

Abstract (de)

Erhöhung des Wirkungsgrades und/oder lokale Erhöhung der Lichtintensität farbiger Leuchten durch Verwendung eines Lumineszenzkörpers als Leuchtengehäuse oder Gehäuseteil, dessen Material phosphoreszierende oder fluoreszierende Partikel enthält, so dass diejenigen Bereiche des Lichtwellenspektrums, die kurzwelliger als das Licht der gewünschten Farbe sind, durch Photolumineszenz zu längeren Wellenlängen verschoben werden.

IPC 1-7

F21K 2/00; G09F 13/20; F21V 9/16

IPC 8 full level

F21K 2/00 (2006.01); **F21V 9/16** (2006.01); **G09F 13/20** (2006.01); **G09F 13/22** (2006.01); **G09F 13/04** (2006.01)

CPC (source: EP US)

F21K 2/00 (2013.01 - EP US); **F21V 3/08** (2018.01 - EP US); **F21V 3/12** (2018.01 - EP US); **F21V 7/30** (2018.01 - EP US); **F21V 9/40** (2018.01 - EP US); **F21V 13/08** (2013.01 - EP US); **G09F 13/0472** (2021.05 - EP); **G09F 13/20** (2013.01 - EP US); **G09F 13/0472** (2021.05 - US)

Citation (search report)

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