

Title (en)
Motor vehicle discharge lamp.

Title (de)
Kraftfahrzeugentladungslampe.

Title (fr)
Lampe à décharge pour véhicule.

Publication
EP 0237647 A1 19870923 (DE)

Application
EP 86118079 A 19861227

Priority
DE 8601283 U 19860120

Abstract (en)
[origin: US4794297A] To provide light distribution required by legal and safety requirements for automotive head lamps from a discharge lamp, a discharge vessel or bulb (2, 12) is retained within an outer bulb (7, 17), which outer bulb is made of hard glass and is coated at the outside with a visible light radiation absorbing coating (8, 18) directly applied to the outer bulb, and placed thereon to provide the desired light distribution. Thus, standard silicon iron oxide black can be used for the coating. Preferably, the inside of the outer bulb has a coating of infrared absorbing, visible light transmitting material applied thereto.

Abstract (de)
Das Entladungsgefäß (12) aus Quarzglas ist von einem evakuierten Hüllkolben (17) aus Hartglas umgeben, auf dem eine das bei Kraftfahrzeuglampen herkömmliche asymmetrische Abblendlicht erzeugende Beschichtung (18) aus Silizium-Eisenoxid aufgetragen ist. Der transparente Teil des Hüllkolbens (17) ist an seiner Innenoberfläche mit einer IR-Strahlung reflektierenden und sichtbare Strahlung transmittierenden Beschichtung (20) versehen.

IPC 1-7
F21M 3/00; H01J 61/35; H01K 1/32

IPC 8 full level
H01J 61/34 (2006.01); **H01J 61/35** (2006.01); **H01J 61/36** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP US)
H01J 61/35 (2013.01 - EP US); **H01J 61/82** (2013.01 - EP US)

Citation (search report)

- [Y] DE 3232207 A1 19840308 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [Y] US 3784861 A 19740108 - NOTELTEIRS V, et al
- [A] DE 3341025 A1 19850530 - BOSCH GMBH ROBERT [DE]
- [A] DD 106012 A1 19740520
- [A] DE 2811884 A1 19781005 - PPG INDUSTRIES INC
- [A] DE 3341846 A1 19840607 - PHILIPS NV [NL]

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Designated contracting state (EPC)
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DE 8601283 U 19860120; EP 86118079 A 19861227; JP 561387 U 19870120; US 94761686 A 19861230