

Title (en)

Lamp reflector unit

Title (de)

Lampen-Reflektor-Einheit

Title (fr)

Ensemble formé par une lampe et son réflecteur

Publication

EP 0780884 A1 19970625 (DE)

Application

EP 96118983 A 19961127

Priority

DE 19548521 A 19951222

Abstract (en)

A lamp has a bulb (3) sealed on one side with a pair of current lead- ins (14) at the seal (4). The seal is located in the neck (7) of the reflector and the neck has holes (16) for the lead-ins. Each lead-in is surrounded by a fastener that lies on the outside of the corresponding hole. There is a spring (10) inside the reflector neck which has a tension of either at least 0.3 N-m or at least 5 N-m. The spring is a centring disc made of springy plate. The fastener for the lead-ins is a locking disc, a sleeve or a rivet.

Abstract (de)

Eine Lampen-Reflektor-Einheit besitzt mindestens ein federndes Element (10), das an der Lampe (1) angebracht ist und am Reflektor (5) aufliegt. Die Lampe (1) ist mittels des federnden Elements (10) unter Vorspannung im Reflektor (5) befestigt. <IMAGE>

IPC 1-7

H01K 1/46; **H01J 5/60**; **F21V 19/00**

IPC 8 full level

F21V 19/00 (2006.01); **H01J 5/60** (2006.01); **H01K 1/46** (2006.01); **F21V 17/00** (2006.01)

CPC (source: EP)

F21V 19/0005 (2013.01); **H01J 5/60** (2013.01); **H01K 1/46** (2013.01)

Citation (applicant)

- EP 0495194 A2 19920722 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- US 4855634 A 19890808 - GAGNON PETER R [US], et al
- EP 0440911 A2 19910814 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]

Citation (search report)

- [YA] FR 2385980 A1 19781027 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [DYA] US 4855634 A 19890808 - GAGNON PETER R [US], et al
- [A] GB 2018510 A 19791017 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH
- [A] EP 0096441 A2 19831221 - PHILIPS PATENTVERWALTUNG [DE], et al
- [A] EP 0129869 A1 19850102 - GTE PROD CORP [US]
- [DA] DE 9017071 U1 19910307
- [DA] DE 9001346 U1 19900412

Cited by

US7045938B2; WO03054443A1; DE102006034324B4; EP1298703A3; EP1708228A3; EP1255273A3; US6078128A; EP0856867A3; US6724135B2; US6210029B1; US7619351B2

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EP 96118983 A 19961127; CA 2193286 A 19961218; CN 96123261 A 19961220; DE 19548521 A 19951222; DE 59601874 T 19961127; ES 96118983 T 19961127; HU P9603510 A 19961218; JP 33967496 A 19961219