

Title (en)
Double side closed lamp

Title (de)
Zweiseitig verschlossene Lampe

Title (fr)
Lampe fermée des deux cotés

Publication
EP 1492145 A3 20071219 (DE)

Application
EP 04012808 A 20040528

Priority
DE 10325553 A 20030605

Abstract (en)
[origin: EP1492145A2] The lamp (51) has an adjustment element having centering portion protruding outwardly to contact yoke and contact element (13) arranged in tubular glass sleeve (14), for stabilizing vibration resistance and centering effects.

IPC 8 full level
H01J 5/54 (2006.01); **H01K 1/46** (2006.01); **H01J 5/48** (2006.01); **H01J 5/50** (2006.01); **H01J 5/52** (2006.01); **H01J 61/34** (2006.01); **H01J 61/36** (2006.01); **H01K 1/24** (2006.01); **H01K 1/36** (2006.01); **H01K 1/42** (2006.01); **H01K 1/44** (2006.01)

CPC (source: EP KR US)
H01J 5/50 (2013.01 - EP US); **H01J 5/52** (2013.01 - EP US); **H01J 5/54** (2013.01 - EP US); **H01J 61/34** (2013.01 - EP US); **H01J 61/368** (2013.01 - EP US); **H01K 1/36** (2013.01 - KR); **H01K 1/42** (2013.01 - EP US)

Citation (search report)

- [A] JP H0541203 A 19930219 - USHIO ELECTRIC INC
- [AD] EP 0780883 A1 19970625 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [AD] DE 10157868 A1 20020704 - KOITO MFG CO LTD [JP]
- [AD] DE 10159379 A1 20020613 - KOITO MFG CO LTD [JP]
- [A] US 4404491 A 19830913 - SIAENS GUSTAAF F R [NL], et al
- [A] US 5010272 A 19910423 - ECKHARDT FRITZ [DE], et al
- [A] DE 8410386 U1 19870827

Cited by
EP1622181A3; WO2009062549A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL HR LT LV MK

DOCDB simple family (publication)
EP 1492145 A2 20041229; EP 1492145 A3 20071219; CA 2469706 A1 20041205; CN 100501899 C 20090617; CN 1574158 A 20050202; DE 10325553 A1 20041223; JP 2004363106 A 20041224; JP 4956828 B2 20120620; KR 101072639 B1 20111011; KR 20040108595 A 20041224; US 2004251834 A1 20041216; US 2007222386 A1 20070927; US 7253562 B2 20070807; US 7745999 B2 20100629

DOCDB simple family (application)
EP 04012808 A 20040528; CA 2469706 A 20040603; CN 200410063957 A 20040605; DE 10325553 A 20030605; JP 2004166043 A 20040603; KR 20040040436 A 20040603; US 80441507 A 20070519; US 85562304 A 20040528