

Title (en)
Flat lamp

Title (de)
Flache Lampe

Title (fr)
Ampoule plate

Publication
EP 1104006 A3 20011004 (FR)

Application
EP 00204005 A 20001114

Priority
FR 9914743 A 19991123

Abstract (en)
[origin: EP1104006A2] A flat heating bulb has an envelope (ENV) with a base (BOT) and emitting surface (ES). It contains a radiation source (LEM) which may be a flat filament or a number of coplanar filaments. If the filaments are raised to incandescence the envelope may with advantage be filled with an inert gas. The base of the envelope (BOT) is coated with a reflecting layer (REF) which intensifies the emitted radiation

IPC 1-7
H01J 61/30; **H01K 1/14**; **H01K 7/00**

IPC 8 full level
H05B 3/00 (2006.01); **H01J 61/30** (2006.01); **H01K 1/14** (2006.01); **H01K 7/00** (2006.01); **H05B 3/10** (2006.01); **H05B 3/16** (2006.01)

CPC (source: EP US)
H01J 61/305 (2013.01 - EP US); **H01K 1/14** (2013.01 - EP US); **H01K 7/00** (2013.01 - EP US)

Citation (search report)

- [X] US 4585971 A 19860429 - CLEGG JOHN E [US]
- [X] DE 4438870 A1 19960509 - HERAEUS NOBLELIGHT GMBH [DE]
- [X] GB 2248141 A 19920325 - SERVOMEX [GB]
- [X] US 5977707 A 19991102 - KOENIG ERL A [US]
- [X] US 3788721 A 19740129 - VAUSE A
- [X] FR 2748810 A1 19971121 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
- [X] WO 9945557 A1 19990910 - CORNING INC [US], et al
- [X] WO 9843278 A2 19981001 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al
- [A] US 5500574 A 19960319 - POPOV OLEG [US], et al

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1104006 A2 20010530; **EP 1104006 A3 20011004**; CN 1297250 A 20010530; JP 2001210451 A 20010803; US 6608442 B1 20030819

DOCDB simple family (application)
EP 00204005 A 20001114; CN 00128354 A 20001120; JP 2000352035 A 20001120; US 71691200 A 20001120