

Publication

**EP 0841686 A3 19980603**

Application

**EP 97115535 A 19970908**

Priority

DE 19645959 A 19961107

Abstract (en)

[origin: EP0841686A2] The discharge lamp (1) has a discharge envelope (2) containing a pair of discharge electrodes (4,5) and gas mixture provided by an inert gas, Hg, a halogen, Tl, Hf, or Zr, Dy and/or Gd and Cs and Y. The molecular ratio between the Y and the rare earth metals lies in the range between 0.5 and 2, with the quantity of Cs reduced relative to a lamp filling gas which does not contain Y.

IPC 1-7

**H01J 61/12**; **H01J 61/82**

IPC 8 full level

**H01J 61/20** (2006.01); **H01J 61/12** (2006.01); **H01J 61/82** (2006.01); **H01J 61/88** (2006.01)

CPC (source: EP US)

**H01J 61/125** (2013.01 - EP US); **H01J 61/827** (2013.01 - EP US)

Citation (search report)

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- [YA] WO 9528733 A1 19951026 - PHILIPS ELECTRONICS NV [NL], et al
- [A] US 3852630 A 19741203 - WESSELINK G, et al
- [A] FR 2270673 A1 19751205 - PHILIPS NV [NL]
- [A] DE 2362932 A1 19750814 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH
- [A] US 3514659 A 19700526 - GUNGLER WARREN C, et al
- [A] DE 3920675 A1 19900104 - TOSHIBA LIGHTING & TECHNOLOGY [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 067 (E - 011) 20 May 1980 (1980-05-20)
- [A] DATABASE WPI Section Ch Week 7449, Derwent World Patents Index; Class L03, AN 74-85310V, XP002061678

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0841686 A2 19980513**; **EP 0841686 A3 19980603**; **EP 0841686 B1 20011121**; CA 2218631 A1 19980507; CA 2218631 C 20050517; DE 19645959 A1 19980514; DE 59705467 D1 20020103; JP H10144259 A 19980529; US 5929563 A 19990727

DOCDB simple family (application)

**EP 97115535 A 19970908**; CA 2218631 A 19971020; DE 19645959 A 19961107; DE 59705467 T 19970908; JP 31761697 A 19971104; US 94954697 A 19971014