

Title (en)

High-pressure sodium discharge lamp.

Title (de)

Hochdrucknatriumentladungslampe.

Title (fr)

Lampe à décharge dans le sodium à haute pression.

Publication

**EP 0596676 A1 19940511 (EN)**

Application

**EP 93308699 A 19931101**

Priority

US 97051092 A 19921102

Abstract (en)

The invention relates to a high-pressure sodium discharge lamp (1) with evacuated outer envelope (3) for operation at low frequency, in particular for higher brightness at a color temperature between 1800 and 2250 K. The higher brightness can be achieved by a wall loading higher than 24 w/cm<2>, which wall loading value can be permitted if the ratio of the discharge gap to the discharge tube inner diameter D/d is less than 5.0.  
<IMAGE>

IPC 1-7

**H01J 61/82**; **H01J 61/34**

IPC 8 full level

**H01J 61/073** (2006.01); **H01J 61/30** (2006.01); **H01J 61/34** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP)

**H01J 61/30** (2013.01); **H01J 61/34** (2013.01); **H01J 61/825** (2013.01)

Citation (search report)

- [A] GB 2092822 A 19820818 - EGYESUELT IZZOLAMPA
- [A] EP 0443675 A1 19910828 - PHILIPS NV [NL]
- [A] JJ. DE GROOT ET AL: "The High Pressure Sodium Lamp", 1986, KLUWER TECHNISCHE BOEKEN BV, DEVENTER, NL

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 0596676 A1 19940511**; **EP 0596676 B1 19960424**; DE 69302353 D1 19960530; DE 69302353 T2 19961212; JP H06203794 A 19940722

DOCDB simple family (application)

**EP 93308699 A 19931101**; DE 69302353 T 19931101; JP 26853093 A 19931027