

Title (en)  
High pressure discharge lamp

Title (de)  
Hochdruckentladungslampe

Title (fr)  
Lampe à décharge haute pression

Publication  
**EP 0825636 B1 20010425 (DE)**

Application  
**EP 97112617 A 19970723**

Priority  
• DE 19633732 A 19960821  
• DE 19712776 A 19970326

Abstract (en)  
[origin: EP0825636A2] The lamp has an elongated discharge tube (2) with a central region (3) enclosing a discharge vol. and two end regions extending in diametrically opposite directions. One end region is formed by a constriction (4) with two broad sides (8) and two narrow sides (9). A pair of electrodes (5) extends into the discharge vol. from the constriction and is connected to external current leads (14) via metal foil (12) embedded in the constriction. The discharge vol. contains a light emitting filling and the length of each constriction corresp. approximately to the length of the central region. The dimensions of the constriction are selected so that the total width of each broad side is less than or equal to 2.2 times its thickness.

IPC 1-7  
**H01J 61/36**; **H01J 61/82**

IPC 8 full level  
**H01J 61/36** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP US)  
**H01J 61/368** (2013.01 - EP US); **H01J 61/82** (2013.01 - EP US)

Cited by  
WO2009056163A1

Designated contracting state (EPC)  
BE DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0825636 A2 19980225**; **EP 0825636 A3 19980513**; **EP 0825636 B1 20010425**; CA 2213189 A1 19980221; CA 2213189 C 20041019; CN 1118859 C 20030820; CN 1175079 A 19980304; DE 19712776 A1 19981001; DE 59703424 D1 20010531; JP 2006245017 A 20060914; JP H1092384 A 19980410; US 5847510 A 19981208

DOCDB simple family (application)  
**EP 97112617 A 19970723**; CA 2213189 A 19970814; CN 97117419 A 19970819; DE 19712776 A 19970326; DE 59703424 T 19970723; JP 2006166527 A 20060615; JP 22346697 A 19970820; US 90598197 A 19970805