

Title (en)  
Low power high pressure sodium lamp

Title (de)  
Natriumhochdrucklampe kleiner Leistung

Title (fr)  
Lampe haute pression au sodium de faible puissance

Publication  
**EP 0834905 B1 20081112 (DE)**

Application  
**EP 97115536 A 19970908**

Priority  
• DE 19640850 A 19961002  
• US 94194197 A 19971001

Abstract (en)  
[origin: EP0834905A2] A sodium high pressure gas discharge lamp of small power output (ie less than 100 watts) has a discharge jar containing at least sodium and xenon. The operating pressure of the former is between 20 and 100 millibars whereas the cold pressure of the latter is between one and three bars and the ratio of the latter to the former is greater than ten but less than thirty. Mercury may also be contained in the jar. The jar may be cylindrical with an inside diameter of between 2.5 and 4 millimetres. The lamp may have additional capacitative ignition aids.

IPC 8 full level  
**H01J 61/16** (2006.01); **H01J 61/30** (2006.01); **H01J 61/22** (2006.01); **H01J 61/54** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP US)  
**H01J 61/22** (2013.01 - EP US); **H01J 61/30** (2013.01 - EP US); **H01J 61/547** (2013.01 - EP US); **H01J 61/825** (2013.01 - EP US);  
**H01J 61/34** (2013.01 - EP US)

Citation (examination)  
US 4260929 A 19810407 - JACOBS CORNELIS A J, et al

Cited by  
US8456087B2; US8766518B2; US8659225B2; WO2010004472A3

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

DOCDB simple family (publication)  
**EP 0834905 A2 19980408; EP 0834905 A3 19980603; EP 0834905 B1 20081112**; CA 2217613 A1 19980402; CA 2217613 C 20040914;  
DE 19640850 A1 19980409; HU 218401 B 20000828; HU 9701600 D0 19971128; HU P9701600 A2 19980629; HU P9701600 A3 20000228;  
JP H10112284 A 19980428; US 6051927 A 20000418

DOCDB simple family (application)  
**EP 97115536 A 19970908**; CA 2217613 A 19971002; DE 19640850 A 19961002; HU P9701600 A 19971001; JP 28461897 A 19971001;  
US 94194197 A 19971001