

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 A3 19980603 (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 capacitive ignition aids.

IPC 1-7  
**H01J 61/22; H01J 61/82**

IPC 8 full level  
**H01J 61/22** (2006.01); **H01J 61/30** (2006.01); **H01J 61/16** (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 (search report)  
• [A] EP 0374678 A2 19900627 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]  
• [DA] FR 2298185 A1 19760813 - PHILIPS NV [NL]  
• [DA] FR 2387511 A1 19781110 - PHILIPS NV [NL]  
• [A] EP 0183247 A2 19860604 - GEN ELECTRIC [US]  
• [A] US 5239230 A 19930824 - MATHEWS PAUL G [US], et al

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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

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