

Title (en)
HIGH PRESSURE SODIUM DISCHARGE LAMP

Title (de)
HOCHDRUCKNATRIUMDAMPFLAMPE

Title (fr)
LAMPE A VAPEUR DE SODIUM A HAUTE PRESSION

Publication
EP 1127367 A1 20010829 (DE)

Application
EP 99971579 A 19991029

Priority
• DE 19850345 A 19981102
• DE 19851955 A 19981111
• EP 9908205 W 19991029

Abstract (en)
[origin: US6515418B1] A high pressure sodium vapour lamp having a fill consisting of sodium, mercury and xenon in an arc tube with a sodium weight portion within the sodium-mercury-amalgam of approx. 12% to approx. 20%, having a xenon filling pressure in the cold state between approx. 180 Torr and approx. 350 Torr, having a D-line reversal width (distance of the tops of both wings of the sodium-D-line of the radiation spectrum) of approx. 110 Å to approx. 200 Å, and having approx. 14% to approx. 18% radiation portion in the red wave length range 635 nm to 750 nm and having approx. 7% to approx. 10% radiation portion in the blue wave length range 380 nm to 500 nm, in each case of the radiation power in the wave length range 380 nm to 780 nm for promotion of plant growth is provided.

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

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

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

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