

Title (en)

High pressure sodium reflector lamp.

Title (de)

Hochdrucknatriumlampe mit Reflektor.

Title (fr)

Lampe de sodium à haute pression à réflecteur.

Publication

**EP 0492726 A1 19920701 (EN)**

Application

**EP 91203353 A 19911219**

Priority

US 63438090 A 19901227

Abstract (en)

A high pressure discharge lamp having a discharge device (10) within a gas filled outer envelope (1, 2). Improved means for controlling heat loss from the discharge device is comprised of a translucent sleeve (25) open at both ends (26) and having an inside diameter selected to be within a sheath around the discharge device in which the velocity of the gas fill from convection currents is reduced, resulting in reduced convective heat loss from the discharge device. The diameter of the sleeve can be selected to minimize heat loss or to obtain the same heat loss as when the discharge device is operated in an evacuated outer envelope. <IMAGE>

IPC 1-7

**H01J 61/52**

IPC 8 full level

**H01J 61/34** (2006.01); **H01J 61/52** (2006.01); **H01J 61/88** (2006.01)

CPC (source: EP)

**H01J 61/34** (2013.01); **H01J 61/52** (2013.01)

Citation (search report)

- [YD] EP 0290043 A2 19881109 - GTE PROD CORP [US]
- [YD] US 4499396 A 19850212 - FOHL TIMOTHY [US], et al
- [XP] US 5043623 A 19910827 - SCHOLZ JOHN A [US], et al
- [A] DE 2840771 A1 19800327 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

**EP 0492726 A1 19920701**; JP H04296442 A 19921020

DOCDB simple family (application)

**EP 91203353 A 19911219**; JP 34112891 A 19911224