

Title (en)  
Improvements in discharge lamps.

Title (de)  
Entladungslampen.

Title (fr)  
Lampes à décharge.

Publication  
**EP 0085487 A2 19830810 (EN)**

Application  
**EP 83300141 A 19830112**

Priority  
GB 8202526 A 19820129

Abstract (en)  
A high pressure sodium vapour discharge lamp is provided including a starting aid in the form of an electrically conductive wire wound around the lamp envelope and in the vicinity of the lamp electrode. A spark gap in the form of an envelope of insulating material is inserted between one of the inleads and the conductive wire. The spark gap envelope may be filled with air, rare gas or may be evacuated and ensures that the lamp is electrically isolated during normal running but breaks down under high voltage pulses applied to start the lamp.

IPC 1-7  
**H01J 61/54**

IPC 8 full level  
**H01J 61/54** (2006.01)

CPC (source: EP)  
**H01J 61/547** (2013.01)

Cited by  
US6054810A; DE102010029068A1; EP0476461A1; US5164630A; EP0145291A1; US4677343A; EP0098014B1

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

DOCDB simple family (publication)  
**EP 0085487 A2 19830810; EP 0085487 A3 19830817; EP 0085487 B1 19881109**; AU 1055383 A 19830804; AU 563791 B2 19870723;  
DE 3378445 D1 19881215; ZA 83585 B 19831130

DOCDB simple family (application)  
**EP 83300141 A 19830112**; AU 1055383 A 19830118; DE 3378445 T 19830112; ZA 83585 A 19830128