

Title (en)  
High-pressure sodium lamp.

Title (de)  
Hochdrucknatriumlampe.

Title (fr)  
Lampe à décharge dans la vapeur de sodium à haute pression.

Publication  
**EP 0523782 A2 19930120 (EN)**

Application  
**EP 92202047 A 19920707**

Priority  
EP 91201820 A 19910712

Abstract (en)  
A high-pressure sodium lamp of the invention radiates white light with a colour temperature higher than 2250 K. The lamp is provided with a discharge vessel (1) with a ceramic wall (2). In the discharge vessel (1), electrodes (10a, 10b) are arranged which are connected to current supply conductors (20a, 20b) which are passed through the wall (2) in a gastight manner. The electrodes (10a, 10b) each have a rod (11a) ending in a tip (12a) and with a length l and diameter d. The rod (11a) of the electrodes (10a, 10b) is provided with a single winding (13a) of a wire with a diameter of at most d/3, which winding (13a) is remote from the tip (12a) of the rod (11a) over a distance of at most 2d. This construction enables a quick ignition of the lamp. <IMAGE>

IPC 1-7  
**H01J 61/073**; **H01J 61/82**

IPC 8 full level  
**H01J 61/073** (2006.01); **H01J 61/54** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP)  
**H01J 61/0732** (2013.01); **H01J 61/825** (2013.01)

Cited by  
EP1394838A3; EP1394838A2; EP0639853B1

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

DOCDB simple family (publication)  
**EP 0523782 A2 19930120**; **EP 0523782 A3 19930210**; **EP 0523782 B1 19951004**; DE 69205228 D1 19951109; DE 69205228 T2 19960502; JP H05190146 A 19930730

DOCDB simple family (application)  
**EP 92202047 A 19920707**; DE 69205228 T 19920707; JP 18528392 A 19920713