

Title (en)  
SINGLE-ENDED METAL HALIDE DISCHARGE LAMPS AND PROCESS OF MANUFACTURE

Publication  
**EP 0128553 B1 19891227 (EN)**

Application  
**EP 84106570 A 19840608**

Priority  
US 50277283 A 19830609

Abstract (en)  
[origin: EP0128553A1] A single-ended metal halide discharge lamp including a fused silica elliptical-shaped envelope which is filled with a metal halide dosed high pressure mercury fill and wherein a pair of electrodes each having a metal rod with a ball on the end thereof are sealed whereby isothermal operation of the elliptical-shaped envelope is effected. A manufacturing process is also provided wherein an elliptical-shaped envelope is formed, a pair of electrodes having metal rods with a ball on the end thereof are sealed into one end of the envelope, and the envelope is filled with a metal halide dosed high pressure mercury fill.

IPC 1-7  
**H01J 61/18; H01J 61/82**

IPC 8 full level  
**H01J 9/24** (2006.01); **H01J 9/32** (2006.01); **H01J 9/38** (2006.01); **H01J 9/42** (2006.01); **H01J 61/073** (2006.01); **H01J 61/52** (2006.01); **H01J 61/82** (2006.01); **H01J 61/84** (2006.01); **H01J 61/88** (2006.01)

CPC (source: EP)  
**H01J 9/247** (2013.01); **H01J 61/073** (2013.01); **H01J 61/827** (2013.01)

Citation (examination)  
• DE 2524768 A1 19760102 - PHILIPS NV  
• GB 2013394 A 19790808 - GEN ELECTRIC

Cited by  
GB2211347A; US4998036A; GB2211347B

Designated contracting state (EPC)  
BE DE FR GB NL

DOCDB simple family (publication)  
**EP 0128553 A1 19841219; EP 0128553 B1 19891227**; CA 1255746 A 19890613; DE 128553 T1 19850411; DE 3480889 D1 19900201; JP H0542770 B2 19930629; JP S609048 A 19850118

DOCDB simple family (application)  
**EP 84106570 A 19840608**; CA 455936 A 19840605; DE 3480889 T 19840608; DE 84106570 T 19840608; JP 11681284 A 19840608