

Title (en)  
ARC TUBE FABRICATION PROCESS

Publication  
**EP 0122052 B1 19880302 (EN)**

Application  
**EP 84301615 A 19840309**

Priority  
US 47389683 A 19830310

Abstract (en)  
[origin: EP0122052A1] A process for fabricating arc tubes for the manufacture of unsaturated vapor high pressure sodium lamps wherein a first electrode (41) is sealed into one end (37) of a ceramic envelope (35), a sodium-mercury amalgam and an oxygen-absorbing getter are introduced into the ceramic envelope (35), the ceramic envelope is flushed and then filled with a rare gas, and a second electrode (53) is sealed into the other end (39) of the ceramic envelope (35) to provide an arc tube wherein decomposition of the amalgam and absorption of oxygen occurs within the ceramic envelope during operational use.

IPC 1-7  
**H01J 9/24**; **H01J 61/26**

IPC 8 full level  
**H01J 9/39** (2006.01); **H01J 9/38** (2006.01); **H01J 9/395** (2006.01); **H01J 9/40** (2006.01)

CPC (source: EP)  
**H01J 9/38** (2013.01)

Cited by  
US4924146A; US5192239A; DE4037721C2

Designated contracting state (EPC)  
BE DE FR GB NL

DOCDB simple family (publication)  
**EP 0122052 A1 19841017**; **EP 0122052 B1 19880302**; AU 2547284 A 19840913; AU 578601 B2 19881103; CA 1246136 A 19881206; DE 3469638 D1 19880407; JP S59169037 A 19840922

DOCDB simple family (application)  
**EP 84301615 A 19840309**; AU 2547284 A 19840309; CA 448954 A 19840306; DE 3469638 T 19840309; JP 4415784 A 19840309