

Title (en)  
Discharge lamp.

Title (de)  
Entladungsröhre.

Title (fr)  
Tube à décharge.

Publication  
**EP 0361357 A2 19900404 (EN)**

Application  
**EP 89117658 A 19890925**

Priority  
• JP 19047889 A 19890725  
• JP 23963988 A 19880927

Abstract (en)  
A discharge tube of the type wherein a voltage is applied across a pair of electrodes to cause a discharge between the anode side electrode and the cathode side electrode. In the new discharge tube, opposing end portions of said pair of electrodes are formed into a non-acute configuration, and a large number of concave or convex portions are formed on a surface at least of said cathode side electrode. A stabilized high discharge voltage can be obtained from an initial stage of discharging with a comparatively small distance between the electrodes. Further, since the surface area of the electrodes is great, exhaustion of the electrodes are dispersed, and the electrodes are superior in durability. Further, since the distance between the electrodes is small, the discharge maintaining voltage is low and the energy loss is decreased.

IPC 1-7  
**H01J 17/04; H01J 17/40**

IPC 8 full level  
**H01J 17/04** (2012.01); **H01J 17/40** (2006.01)

CPC (source: EP)  
**H01J 17/04** (2013.01); **H01J 17/40** (2013.01)

Cited by  
EP0407837A3; EP0466106A1; US5111109A; CN102804525A; US8963409B2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0361357 A2 19900404; EP 0361357 A3 19901003; EP 0361357 B1 19961218**; DE 68927568 D1 19970130; DE 68927568 T2 19970417

DOCDB simple family (application)  
**EP 89117658 A 19890925**; DE 68927568 T 19890925