

Title (en)  
Electron emitter.

Title (de)  
Elektronenemitter.

Title (fr)  
Emetteur d'électrons.

Publication  
**EP 0329432 A2 19890823 (EN)**

Application  
**EP 89301475 A 19890216**

Priority  
• JP 3393488 A 19880218  
• JP 3393688 A 19880218

Abstract (en)  
An electron emitting device, comprising; a first electrode (4) provided on a substrate; a first layer (1) provided on said electrode and capable of undergoing transition from an electrically high resistance state to a low resistance state when irradiated by a radiant ray (L); and a conductive layer (3), an insulating layer (2) and further a second electrode (5), laminated on said first layer, and an electron generator, comprising the electron emitting device, means for applying an electric field to said device, and means for irradiating a radiant ray on the device, and also a method for driving the electron emitting device are provided.

IPC 1-7  
**H01J 1/30**

IPC 8 full level  
**H01J 1/30** (2006.01); **H01J 1/34** (2006.01)

CPC (source: EP)  
**H01J 1/30** (2013.01); **H01J 1/34** (2013.01); **H01J 2201/3423** (2013.01)

Cited by  
EP0718865A3; EP0642147A1; US5591986A; US5747826A

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 0329432 A2 19890823**; **EP 0329432 A3 19900905**; **EP 0329432 B1 19960515**; DE 68926467 D1 19960620; DE 68926467 T2 19960919

DOCDB simple family (application)  
**EP 89301475 A 19890216**; DE 68926467 T 19890216