

Title (en)
ELECTRON EMITTER

Publication
EP 0329432 A3 19900905 (EN)

Application
EP 89301475 A 19890216

Priority
• JP 3393488 A 19880218
• JP 3393688 A 19880218

Abstract (en)
[origin: EP0329432A2] 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)

Citation (search report)
• [X] US 3921031 A 19751118 - DUBOIS JACQUES EMILE, et al
• [X] US 3735186 A 19730522 - KLOPPER A, et al
• [A] US 4005465 A 19770125 - MILLER BRIAN S
• [A] EP 0041119 A1 19811209 - IBM [US]

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