

Title (en)

CONTROL PLATE FOR A GAS DISCHARGE DISPLAY DEVICE AND METHOD OF MAKING SUCH A CONTROL PLATE

Publication

EP 0023357 B1 19840314 (DE)

Application

EP 80104435 A 19800728

Priority

DE 2931077 A 19790731

Abstract (en)

[origin: US4340838A] A control plate for a gas discharge display device has a mechanically stable carrier plate of an electrically insulating material which has metallized column conductor tracks on one side and metallized row conductor tracks on an opposite side which in combination form a matrix of perpendicular rows and columns. The carrier plate has perforations extending through plate at points of intersection of the rows and columns. Each row and column is separately energizable for selected transfer of electrons in the display device from one side of the plate to the other. The metallized tracks on each side extend a distance into the perforations so as to prevent charge accumulation within the perforations which would otherwise impair the control obtainable by the plate. The metallized portions of the perforations are separated by a ring of exposed carrier plate which is substantially nonconducting having a resistance of 100 megahms or greater.

IPC 1-7

H01J 63/06; **H01J 17/49**

IPC 8 full level

H01J 31/15 (2006.01); **H01J 9/02** (2006.01); **H01J 15/00** (2006.01); **H01J 17/49** (2012.01); **H01J 63/06** (2006.01)

CPC (source: EP US)

H01J 17/498 (2013.01 - EP US)

Cited by

EP0142765A3; DE3911346A1; EP0858648A4

Designated contracting state (EPC)

AT CH FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0023357 A1 19810204; **EP 0023357 B1 19840314**; AT E6712 T1 19840315; DE 2931077 A1 19810205; JP S5624744 A 19810309; US 4340838 A 19820720

DOCDB simple family (application)

EP 80104435 A 19800728; AT 80104435 T 19800728; DE 2931077 A 19790731; JP 10583680 A 19800731; US 14991580 A 19800515