

Title (en)
Gas discharge display device.

Title (de)
Gasentladungsanzeigevorrichtung.

Title (fr)
Dispositif d'affichage à décharge dans un gaz.

Publication
EP 0087819 A2 19830907 (DE)

Application
EP 83102037 A 19830302

Priority
DE 3207685 A 19820303

Abstract (en)
[origin: US4628228A] Gas discharge display device having a gas-filled space gas-tightly closed on one side by a front plate and on a side opposite thereto by a back plate and subdivided by a control plate into a gas discharge space and a post-acceleration space, the control plate carrying electrode runs respectively addressable separately and forming a matrix as row conductors on one side of the control plate and as column conductors on the other side of the control plate, and having, together with the electrode runs, control through holes at intersection points of the matrix, a fluorescent screen disposed on the side of the front plate opposite the control plate and defining the post-acceleration space, the fluorescent screen having an anode layer thereon, and at least one insulated cathode on the side of the back plate and defining the gas discharge space, the control plate having, on the side thereof facing towards the post-acceleration space, a plate having a raster of holes formed therein coincident with a raster of the control holes formed in the control plate, including a supplementary control plate having selectively one and two additional potential planes separated from one another, the planes having on at least one side thereof strip lines for conducting an electric current, the strip lines being aligned parallel to the row conductors of the control plate and having selectively applicable thereto an electric passing and blocking potential for electrons flying towards the fluorescent screen.

Abstract (de)
Bei einem Gasentladungspanel mit einem Gasentladungs- und einem Nachbeschleunigungsraum wird vorgeschlagen, daß eine Zusatz-Steuerplatte mit wahlweise ein oder zwei zusätzlichen voneinander getrennten Potantialebenen vorgesehen ist, die auf mindestens einer Seite mit Streifenleitungen (9) versehen ist, die parallel zu den Zeilenleitern (10) der Steuerplatte (5) ausgerichtet sind und wahl weise für in Richtung auf den Leuchtschirm (1) hin fliegende Elektronen auf ein elektrisches Durchlaß- oder Sperrpotential legbar sind.

IPC 1-7
H01J 17/49

IPC 8 full level
G09G 3/282 (2006.01); **H01J 17/49** (2006.01)

CPC (source: EP US)
H01J 17/492 (2013.01 - EP US); **H01J 17/498** (2013.01 - EP US)

Cited by
DE3911351A1; DE3513177A1; GB2160706A

Designated contracting state (EPC)
DE FR GB IT NL

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EP 0087819 A2 19830907; **EP 0087819 A3 19840606**; DE 3207685 A1 19830915; JP S58169757 A 19831006; US 4628228 A 19861209

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EP 83102037 A 19830302; DE 3207685 A 19820303; JP 3430383 A 19830302; US 71652685 A 19850327