

Title (en)

Gas discharge display device with control grid support in the post-acceleration space.

Title (de)

Gasentladungsanzeigevorrichtung mit nachbeschleunigungsraumseitiger Abstützung der Steuerscheibe.

Title (fr)

Dispositif d'affichage à décharge à gaz comportant dans l'espace de post-accélération un support pour la grille de commande.

Publication

EP 0031524 A1 19810708 (DE)

Application

EP 80107829 A 19801211

Priority

DE 2952601 A 19791228

Abstract (en)

1. A gas discharge display device comprising a gasfilled space which is closed in gas-tight manner on one side by means of a front plate and on the opposite side by means of a back plate, and which is divided into a gas discharge space and a postacceleration space by a control plate (5) which on its sides carries separately controllable electrode paths, those on one side forming row conductors and those on the other side forming column conductors of a matrix, said control plate, together with these paths, having continuous control holes at the intersection points of the matrix and said control plate facing, on the front plate side, a luminescent screen (1), which is provided with an anode layer and delimits the post-acceleration space, and, on the back plate side, facing one or more mutually insulated cathodes (8), which delimit the gas discharge space, characterized in that at its side facing the postacceleration space, the control plate (5) is supported by a supporting plate (4) which is spaced from the luminescent screen (1) and has a grid arrangement of holes which corresponds to the grid arrangement of the control holes in the control plate (5) ; and that at its side facing the luminescent screen (1), the supporting plate (4) is electrically conductive, and at its side facing the control plate (5), at least in the regions adjoining the column conductors, the supporting plate is electrically non-conductive.

Abstract (de)

Ein Gasentladungspanel besteht aus einem Gasentladungs- und einem Nachbeschleunigungsraum, die durch eine gelochte, mit Zeilen- und Spaltenleitern versehene Steuerscheibe (5) voneinander getrennt sind. Bei diesem Panel soll insbesondere die mechanische Stabilität im Steuerscheibenbereich erhöht werden. Zu diesem Zweck ist die Steuerscheibe (5) auf der dem Nachbeschleunigungsraum zugewandten Seite durch eine Stützplatte (4), vorzugsweise aus Fotoformglas, abgestützt.

IPC 1-7

H01J 17/49

IPC 8 full level

H01J 31/15 (2006.01); **H01J 15/00** (2006.01); **H01J 17/49** (2012.01)

CPC (source: EP)

H01J 17/498 (2013.01)

Citation (search report)

- GB 1389191 A 19750403 - SPERRY RAND CORP
- DE 2855108 A1 19800626 - SIEMENS AG

Cited by

EP0090197A3; EP0189858A3; EP0087819A3

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EP 0031524 A1 19810708; **EP 0031524 B1 19830504**; AT E3227 T1 19830515; DE 2952601 A1 19810702; DE 2952601 C2 19820902; JP S56102050 A 19810815

DOCDB simple family (application)

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