

Title (en)  
GAS DISCHARGE DISPLAY DEVICE

Publication  
**EP 0087819 A3 19840606 (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.

IPC 1-7  
**H01J 17/49**

IPC 8 full level  
**G09G 3/282** (2006.01); **H01J 17/49** (2012.01)

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

Citation (search report)  
• [AD] EP 0031524 A1 19810708 - SIEMENS AG [DE]  
• [A] EP 0012922 A1 19800709 - SIEMENS AG [DE]

Cited by  
DE3911351A1; DE3513177A1; GB2160706A

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DE FR GB IT NL

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