

Title (en)

GAS DISCHARGE DISPLAY DEVICE WITH CONTROL GRID SUPPORT IN THE POST-ACCELERATION SPACE

Publication

EP 0031524 B1 19830504 (DE)

Application

EP 80107829 A 19801211

Priority

DE 2952601 A 19791228

Abstract (en)

[origin: EP0031524A1] 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.

IPC 1-7

H01J 17/49

IPC 8 full level

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

CPC (source: EP)

H01J 17/498 (2013.01)

Cited by

EP0090197A3; EP0189858A3; EP0087819A3

Designated contracting state (EPC)

AT CH FR GB IT LI NL SE

DOCDB simple family (publication)

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)

EP 80107829 A 19801211; AT 80107829 T 19801211; DE 2952601 A 19791228; JP 18940380 A 19801225