

## Title (en)

GAS DISCHARGE DISPLAY HAVING A SPACING FRAME

## Publication

**EP 0133492 B1 19870415 (DE)**

## Application

**EP 84108495 A 19840718**

## Priority

DE 3328036 A 19830803

## Abstract (en)

[origin: US4659963A] Gas discharge display device having a vacuum-tight gas-filled envelope with a front plate and a back plate. A perforated control unit divides the interior of the envelope into a gas discharge space and a post-acceleration space and includes several electrode planes extending parallel to the plates. The gas discharge space has at least one plasma cathode and at least one plasma anode. The front layer carries on its back side a cathodoluminescent layer as well as an electrically conducting layer (post-acceleration anode). A spacer frame spaces the conductor as post-acceleration cathode in the foremost electrode plane of the control unit from the post-acceleration anode. In operation, a gas discharge burns at least temporarily between the plasmas electrodes. Electrons are pulled through selectively opened holes of the control unit into the post-acceleration space. The post-acceleration space which remains free of discharges is accelerated to several kV. The spacer frame has a rough surface at least on its inside.

## IPC 1-7

**H01J 17/49**

## IPC 8 full level

**H01J 17/49** (2006.01)

## CPC (source: EP US)

**H01J 17/498** (2013.01 - EP US)

## Citation (examination)

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- DK 4760 A

## Cited by

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## Designated contracting state (EPC)

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