

Title (en)

ELECTRON-OPTICS OF A COLOUR PICTURE TUBE'S ELECTRON BEAM GUN

Publication

EP 0090989 A3 19840912 (DE)

Application

EP 83102719 A 19830318

Priority

DE 3212248 A 19820402

Abstract (en)

[origin: CA1222276A] Electron Optics of the Electron Beam Generating System of a Color Picture Tube By giving special shapes to the shielding parts in the electrodes of an electron beam generating system for the use with color picture tubes, there is obtained an improvement in the electron optics. In this way there is reduced in particular the twist error and a common sharpness or sharp focus point is obtained. At the same time the structure of the electron beam generating system is simplified by reducing the number of component parts. Instead of each time three rings there are inserted each time one or two parts in the "grid 4" and/or the "grid 3". If, in addition thereto, these parts are made from a soft magnetic material, and quite depending on the given shape, additional field-formers (shunts and/or enhancers) can be omitted.

IPC 1-7

H01J 29/58; **H01J 29/50**

IPC 8 full level

H01J 29/50 (2006.01); **H01J 29/58** (2006.01)

CPC (source: EP US)

H01J 29/503 (2013.01 - EP US)

Citation (search report)

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- [A] US 3840765 A 19741008 - TAKENAKA S, et al
- [A] US 4208610 A 19800617 - SCHWARTZ JAMES W [US]
- [A] US 3448316 A 19690603 - YOSHIDA SUSUMU, et al
- [A] GB 2020480 A 19791114 - RCA CORP
- [A] US 4225804 A 19800930 - BEKAERT JOHAN, et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0090989 A2 19831012; **EP 0090989 A3 19840912**; **EP 0090989 B1 19880706**; CA 1222276 A 19870526; DE 3212248 A1 19831006; DE 3377311 D1 19880811; JP S58184243 A 19831027; US 4682073 A 19870721

DOCDB simple family (application)

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