

Title (en)

Image forming apparatus using an electron-beam generating device

Title (de)

Bilderzeugungsgerät mittels einem Elektronenstrahlerzeugungsgerät

Title (fr)

Dispositif de formation d'image utilisant un dispositif générateur de faisceau d'électrons

Publication

EP 0948027 A3 20001220 (EN)

Application

EP 99201433 A 19960131

Priority

- EP 96300688 A 19960131
- JP 1678095 A 19950203
- JP 5413395 A 19950314
- JP 955596 A 19960123

Abstract (en)

[origin: EP0725420A2] An image forming apparatus using an electron source which has matrix-wired electron-emitting devices connected with wiring electrodes of conductive material, and a fluorescent member as an image forming member with an accelerating electrode on its inner surface side, opposite to the electron-emitting devices. The wiring electrodes includes a wiring electrode where a semiconductive support member (spacer) is provided via a conductive connection member and a wiring electrode where the semiconductive support member is not provided. The height of the upper surface of the conductive connection member on which the semiconductive support member is provided and that of the upper surface of the wiring electrode where the semiconductive support member is not provided are the same, to prevent shift of electron-beam trajectories around the semiconductive support member, due to disturbance of electric-field distribution. <IMAGE>

IPC 1-7

H01J 31/12

IPC 8 full level

H01J 1/304 (2006.01); **H01J 1/316** (2006.01); **H01J 5/03** (2006.01); **H01J 29/02** (2006.01); **H01J 29/04** (2006.01); **H01J 29/86** (2006.01); **H01J 29/87** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP)

H01J 29/028 (2013.01); **H01J 29/864** (2013.01); **H01J 31/127** (2013.01); **H01J 2201/025** (2013.01); **H01J 2201/3165** (2013.01); **H01J 2329/864** (2013.01); **H01J 2329/8645** (2013.01); **H01J 2329/8655** (2013.01)

Citation (search report)

- [X] WO 9418694 A1 19940818 - SILICON VIDEO CORP [US]
- [X] EP 0616354 A2 19940921 - IBM [US]
- [A] EP 0523702 A1 19930120 - CANON KK [JP]

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Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0725420 A2 19960807; **EP 0725420 A3 19961204**; **EP 0725420 B1 19991215**; CN 1072838 C 20011010; CN 1136174 A 19961120; DE 69605580 D1 20000120; DE 69605580 T2 20000511; DE 69638149 D1 20100422; EP 0948027 A2 19991006; EP 0948027 A3 20001220; EP 0948027 B1 20100310; JP 3320294 B2 20020903; JP H08315723 A 19961129

DOCDB simple family (application)

EP 96300688 A 19960131; CN 96102106 A 19960202; DE 69605580 T 19960131; DE 69638149 T 19960131; EP 99201433 A 19960131; JP 955596 A 19960123