

Title (en)

Electron-beam generating apparatus and image forming apparatus using electron-beam generating apparatus

Title (de)

Elektronenstrahlerzeugungsgerät und Bilderzeugungsgerät unter Verwendung dieses Elektronenstrahlerzeugungsgerät

Title (fr)

Dispositif générateur de faisceau d'électrons et appareil de formation d'images utilisant ce dispositif

Publication

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Application

EP 96300688 A 19960131

Priority

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- JP 955596 A 19960123

Abstract (en)

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>

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IPC 8 full level

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Cited by

EP0869531A3; GB2404279A; EP0953958A3; EP0991102A1; US6366014B1; US6420825B1; US7075223B2; US6512329B1; US6700321B2; US6707437B1; US7180514B2; WO0045415A1; WO0022643A1

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