

Title (en)

Method and apparatus for manufacturing electron source, and method of manufacturing image forming apparatus

Title (de)

Verfahren und Vorrichtung zur Herstellung einer Elektronenquelle und eines Bilderzeugungsgerät

Title (fr)

Procédé et appareil pour la fabrication d'une source d'électrons et d'un dispositif de formation d'images

Publication

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Application

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- JP 5205799 A 19990226
- JP 5165299 A 19990226
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Abstract (en)

This invention discloses an electron source manufacturing method including the step of applying a voltage to a plurality of conductive members by applying a potential to first portions of the plurality of conductive members serving as at least part of electron-emitting devices via a wiring commonly connected to the plurality of conductive members, and applying a potential to second portions of the plurality of conductive members, wherein the potential applied to the second portions of the plurality of conductive members is set to relax the difference in voltage applied to the plurality of conductive members owing to the difference between potentials at portions respectively connected to the first portions of the plurality of conductive members in the wiring commonly connected to the plurality of conductive members. This method may be included in the manufacture of an image forming apparatus including such an electron source. Also disclosed is apparatus including circuits for performing this method. <IMAGE>

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Citation (search report)

- [A] EP 0620581 A2 19941019 - CANON KK [JP]
- [A] EP 0803892 A2 19971029 - CANON KK [JP]
- [A] EP 0785564 A1 19970723 - CANON KK [JP]
- [A] EP 0729168 A2 19960828 - CANON KK [JP]
- [A] EP 0726591 A1 19960814 - CANON KK [JP]

Cited by

USRE40489E; EP1132884A3; US6690344B1; US6851995B2; US6483492B1

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