

Title (en)
DEVICE FOR PRODUCING AN ELECTRON BEAM

Title (de)
VORRICHTUNG ZUR ERZEUGUNG EINES ELEKTRONENSTRAHLS

Title (fr)
DISPOSITIF GÉNÉRATEUR DE FAISCEAU D'ÉLECTRONS

Publication
EP 2870115 A1 20150513 (DE)

Application
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- EP 2013055039 W 20130312

Abstract (en)
[origin: WO2014009028A1] The invention relates to a device (20) for producing an electron beam (4), which comprises a hot cathode (1), a cathode electrode (2), an anode electrode (3) having an opening (6) through which an electron beam (4) produced by the device can pass, wherein during the operation of the device (20) a voltage for accelerating the electrons exiting from the hot cathode (1) is applied between the cathode electrode (2) and the anode electrode (3), and further comprising deflection means that can deflect the electron beam (4) that has passed through the opening of the anode electrode (3), wherein the deflection means comprise at least one deflection electrode (8, 12), which can reflect the electron beam (4) and/or which comprises a deflection surface (9) that is inclined towards the propagation direction of the electron beam (4).

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Citation (search report)
See references of WO 2014009028A1

Citation (examination)

- EP 2426693 A2 20120307 - SEMEQUIP INC [US]
- GB 2153700 A 19850829 - SONY CORP

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