

Title (en)
ELECTROSTATIC LENS FOR CONTROLLING BEAM OF ELECTRONS

Title (de)
ELEKTROSTATISCHE LINSE ZUR STEUERUNG EINES ELEKTRONENSTRAHLS

Title (fr)
LENTILLE ÉLECTROSTATIQUE POUR COMMANDER UN FAISCEAU D'ÉLECTRONS

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Application
EP 20856886 A 20200827

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Abstract (en)
[origin: WO2021040609A1] An arrangement (100) is described which comprises an electrostatic lens (7) comprising an optical axis (6), a first electrostatic lens element (1), a second electrostatic lens element (2), and a deflector arrangement comprising a deflector package (5) with a plurality of electrodes (15) being arranged circumferentially around the optical axis (6) between the first end (26) of the first electrostatic lens element (1) and the second end (29) of the second electrostatic lens element (2), and arranged to deflect the beam of electrons, in at least a first coordinate direction (x, y) perpendicular to the optical axis (6). The deflector package (5) is arranged such that, during operation of the electrostatic lens (7), an electron, travelling from the first electrostatic lens (1) element to the second electrostatic lens element (2), first passes through the electric field between the first electrostatic lens element (1) and the deflector package (5), and subsequently passes through the electric field between the deflector package (5) and the second electrostatic lens element (2).

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