

Title (en)

Charged particle convergence device.

Title (de)

Konvergenzeinrichtung für geladene Teilchen.

Title (fr)

Dispositif de convergence pour particules chargées.

Publication

EP 0430812 B1 19950802 (EN)

Application

EP 90403404 A 19901129

Priority

JP 31217489 A 19891130

Abstract (en)

[origin: EP0430812A2] The present invention relates to a charged particle convergence device provided with a plurality of even-numbered substantially prolonged poles (1, 2, 3, 4) arranged along a central axis (z) of a transport path of charged particles. Each pair of the poles (1, 2, 3, 4) are opposed to each other in a symmetrical manner with respect to the central axis (z) of the transport path. With keeping the opposing relation, the plurality of even-numbered prolonged poles spiral around the central axis (z) of the transport path. The same-polarized electric or magnetic potential is applied to each pair of the opposing poles while the reverse-polarized electric or magnetic potential is applied to the adjacent pair of the poles. This device may be applied for transporting charged particles generated, for example, in an ion injection machine. <IMAGE>

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H05H 7/08

IPC 8 full level

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