

Title (en)

ION SOURCE FERROMAGNETIC STRUCTURE FORMED BY PERMANENT MAGNETS AND SOLENOIDS

Publication

EP 0138642 B1 19880629 (FR)

Application

EP 84401688 A 19840817

Priority

FR 8313886 A 19830830

Abstract (en)

[origin: US4580120A] Ferromagnetic structure of an ion source produced by permanent magnets and solenoids. In the ferromagnetic structure according to the invention, the system of solenoids is shielded on the outside of the useful volume of the source by a first ferromagnetic casing, the permanent magnets being mounted on the inner walls of a second casing shaped like a cylinder and made from ferromagnetic material, in order to channel the magnetic fluxes outside the useful volume into a ferromagnetic structure, the two casings being separated from one another by a material ensuring an adequate reluctance between the two ferromagnetic circuits.

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IPC 8 full level

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CPC (source: EP US)

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