

Title (en)
LINEAR ACCELERATOR FOR CHARGED PARTICLES

Publication
EP 0037051 B1 19850123 (DE)

Application
EP 81102176 A 19810323

Priority
US 13530080 A 19800331

Abstract (en)
[origin: US4293772A] A charged particle accelerator has an accelerator chamber in the interior of which a narrow beam of charged particles is accelerated. The particle beam is directed to a discharge window for discharging the particles therethrough. A device is provided for wobbling the beam of particles before the particles strike the discharge window, thereby enlarging the area where the particles strike the window. Preferably a magnetic wobbling device may be used. Such a device may have one or more magnetic coils which is/are arranged near the discharge window and which receive(s) a varying electric current. The accelerator may be a linear accelerator generating high energy electrons or X-rays for medical treatment.

IPC 1-7
H05H 9/00; **H01J 29/84**

IPC 8 full level
G21K 1/093 (2006.01); **H05H 9/00** (2006.01)

CPC (source: EP US)
H05H 9/00 (2013.01 - EP US)

Citation (examination)
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DE102011075210A1; CN114286492A; CN102769990A; DE102011075210B4; DE102020212200B3; US8598814B2

Designated contracting state (EPC)
DE FR

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DOCDB simple family (application)
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