

Title (en)

PARTICLE THERAPY INSTALLATION, THERAPY PLAN, AND IRRADIATION METHOD FOR SUCH A PARTICLE THERAPY INSTALLATION

Title (de)

PARTIKELTHERAPIEANLAGE, THERAPIEPLAN UND BESTRAHLUNGSVERFAHREN FÜR EINE DERARTIGE PARTIKELTHERAPIEANLAGE

Title (fr)

ÉQUIPEMENT DE THÉRAPIE PARTICULAIRE, PROTOCOLE DE THÉRAPIE ET PROCÉDÉ DE RADIATION POUR UN TEL ÉQUIPEMENT DE THÉRAPIE PARTICULAIRE

Publication

**EP 1948313 A1 20080730 (DE)**

Application

**EP 06807775 A 20061108**

Priority

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Abstract (en)

[origin: WO2007054511A1] The invention relates to a particle therapy installation for irradiating a volume of a patient to be irradiated with high-energy particles, comprising a radiation outlet of a radiation delivery and acceleration system from which a particle beam exits in order to interact with the patient positioned in an irradiation position, said irradiation position being defined in a therapy plan relative to an irradiation isocentre of the particle therapy installation; an imaging device for verifying the position of the volume to be irradiated in relation to the particle beam; and a patient-positioning device with which the patient can be brought into the irradiation position for irradiation, wherein the imaging device is designed for checking the position of the volume to be irradiated in an imaging position of the patient that is spatially remote from the irradiation position, and wherein the patient-positioning device is designed for automatic changing of position between imaging position and irradiation position.

IPC 8 full level

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