

Title (en)

METHOD AND DEVICE FOR PRODUCTION OF RADIO-ISOTOPES FROM A TARGET

Title (de)

VERFAHREN UND EINRICHTUNG ZUR HERSTELLUNG VON RADIOISOTOPEN AUS EINEM TARGET

Title (fr)

PROCEDE ET DISPOSITIF POUR LA PRODUCTION DE RADIO-ISOTOPES A PARTIR D'UNE CIBLE

Publication

EP 1464060 B1 20070523 (FR)

Application

EP 02806546 A 20021223

Priority

- EP 02806546 A 20021223
- BE 0200198 W 20021223
- EP 01870288 A 20011221

Abstract (en)

[origin: EP1321948A1] The process comprises preparing a target (3) from a precursor of the radio-isotope (1) and an optional metal support (2). The target is irradiated in an irradiation chamber by a beam of accelerated particles to induce transmutation of the precursor into the radio-isotope. The target is then heated to provoke effusion of the radio-isotope (4) outside the target in the form of a gas, which is collected and condensed into a solid or liquid.

IPC 8 full level

G21G 1/10 (2006.01)

CPC (source: EP US)

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