

Title (en)

PROCESS AND DEVICE FOR PRODUCTION OF RADIONUCLIDE USING ACCELERATOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES RADIONUKLIDS MIT EINEM BESCHLEUNIGER

Title (fr)

PROCESSUS ET DISPOSITIF POUR LA PRODUCTION D'UN RADIONUCLÉIDE À L'AIDE D'UN ACCÉLÉRATEUR

Publication

EP 2620949 A4 20170614 (EN)

Application

EP 10857530 A 20100922

Priority

JP 2010066433 W 20100922

Abstract (en)

[origin: EP2620949A1] A target material, which is dissolved or mixed in liquid, is introduced into a target container, and dried inside of the target container to reduce its liquid component. Subsequently, the target material is irradiated with a beam from a particle accelerator. This allows remotely and repeatedly producing a radionuclide such as technetium 99m and molybdenum 99, which are radioactive pharmaceuticals in high demand, using one target container.

IPC 8 full level

G21G 1/10 (2006.01); **H05H 6/00** (2006.01)

CPC (source: EP)

G21G 1/10 (2013.01); **H05H 6/00** (2013.01); **G21G 2001/0036** (2013.01); **G21G 2001/0042** (2013.01)

Citation (search report)

- [X] WO 0163623 A1 20010830 - UNIV ALBERTA THE UNIVERSITY OF [CA], et al
- [X] EP 1717819 A1 20061102 - COMECER SPA [IT]
- [X] JP H0477698 A 19920311 - NIPPON KOKAN KK
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Cited by

CN110706840A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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