

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 A1 20130731 (EN)**

Application

**EP 10857530 A 20100922**

Priority

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Abstract (en)

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

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CPC (source: EP)

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