Title (en)

TARGET ASSEMBLY FOR GENERATION OF RADIOACTIVE ISOTOPES

Title (de)

ZIELANORDNUNG ZUR ERZEUGUNG VON RADIOAKTIVEN ISOTOPEN

Title (fr)

ENSEMBLE CIBLE DE PRODUCTION D'ISOTOPES RADIOACTIFS

Publication

EP 3190592 A1 20170712 (EN)

Application

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Priority

GB 201522590 A 20151222

Abstract (en)

A target assembly (1) for generation of radio-isotopes is disclosed. The target assembly comprises at least a first reservoir (2) and a second reservoir (3) being interconnected by a tubular portion. The first resp. second reservoir (2, 3) each have a window (12, 13) for receiving the irradiation beam (8). The tubular portion (4) is configured for allowing passage of the target powder (9) between the reservoirs under gravity force. When used in an ISOL system, the tubular portion (4) further is adapted for allowing escape of said radio-isotopes outside the tubular portion (4). The target assembly (1) further has a means for rotating the assembly such that in turn, each of the first respectively second reservoir (2, 3) can selectively be positioned above the other of the second respectively first reservoir (3, 2).

IPC 8 full level

G21G 1/12 (2006.01); **H05H 6/00** (2006.01)

CPC (source: EP)

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

Citation (search report)

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Designated contracting state (EPC)

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