

Title (en)

PROCESS FOR PREPARING A TARGET FOR THE GENERATION OF RADIOACTIVE ISOTOPE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES TARGETS FÜR DIE ERZEUGUNG VON RADIOAKTIVEN ISOTOPEN

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UNE CIBLE POUR LA GÉNÉRATION D'ISOTOPE RADIOACTIF

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Application

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Abstract (en)

The present invention relates to a process for preparing a two-layer or three-layer target for the generation of radioactive isotopes (radionuclides) by bombardment with accelerated particles; said process comprises the coupling of the layers through the passage of an electric current (pulsed, alternating or direct) and a simultaneous application of pressure. The present invention also relates to said two-layer or three-layer target comprising a first layer and a support layer with thermal conductivity or a first layer, an intermediate layer and a support layer with thermal conductivity. Said first layer comprises an element/isotope/chemical compound and has a thickness/diameter ratio ≤ 0.25 .

IPC 8 full level

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CPC (source: EP)

B22F 3/105 (2013.01); **H05H 6/00** (2013.01); **G21G 1/10** (2013.01)

Citation (search report)

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