

Title (en)

DIELECTRIC WALL ACCELERATOR AND APPLICATIONS AND METHODS OF USE

Title (de)

DIELEKTRISCHE WANDBESCHLEUNIGER UND ANWENDUNGEN UND VERFAHREN ZUR VERWENDUNG

Title (fr)

ACCÉLÉRATEUR À PAROIS DIÉLECTRIQUES, APPLICATIONS ET PROCÉDÉS D'UTILISATION ASSOCIÉS

Publication

EP 3072369 A4 20170816 (EN)

Application

EP 14863685 A 20141121

Priority

- US 201361907169 P 20131121
- US 2014066803 W 20141121

Abstract (en)

[origin: WO2015077554A1] Provided are a plurality of embodiments, including, but not limited to, a device for generating efficient low and high average power output Gamma Rays via relativistic particle bombardment of element targets using an efficient particle injector and accelerator at low and high average power levels suitable for element transmutation and power generation with an option for efficient remediation of radioisotope release into any environment. The devices utilize diamond or diamond-like carbon materials and active cooling for improved performance. Also provided are a nuclear reactor and a decontamination device using such a device.

IPC 8 full level

H05H 9/00 (2006.01); **G21H 1/04** (2006.01)

CPC (source: EP)

G21H 1/04 (2013.01); **H05H 9/005** (2013.01)

Citation (search report)

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- [X] JP 2003057392 A 20030226 - LASER GIJUTSU SOGO KENKYUSHO
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- See references of WO 2015077554A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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