

Title (en)

NUCLEAR REACTOR AND METHOD OF CONTROLLING A NUCLEAR REACTION IN A NUCLEAR REACTOR

Title (de)

KERNREAKTOR UND VERFAHREN ZUR STEUERUNG EINER KERNREAKTION IN EINEM KERNREAKTOR

Title (fr)

RÉACTEUR NUCLÉAIRE ET PROCÉDÉ DE CONTRÔLE D'UNE RÉACTION NUCLÉAIRE DANS UN RÉACTEUR NUCLÉAIRE

Publication

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Application

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Priority

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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

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