

Title (en)

DEVICE FOR CONDITIONING RADIOACTIVE WASTE COMPRISED OF MEDIUM AND /OR LONG PERIOD ACTINIDES

Publication

EP 0186677 B1 19890315 (FR)

Application

EP 85902571 A 19850604

Priority

FR 8408770 A 19840605

Abstract (en)

[origin: FR2565397A1] The conditioning device comprises an outer sealed envelope (1) inside which there is arranged a mixture formed of at least one emitter actinide element alpha with a medium and/or long period such as ^{237}Np , at least one emitter element alpha having a period shorter than 100 years such as ^{242}Cm or ^{244}Cm and at least one light element such as beryllium or boron capable of generating neutrons by reaction (α, n). The presence of those different elements enables to obtain a destruction in situ of the long or medium period actinide elements by self-fission under the influence of the neutrons produced by reaction of the particles alpha with the light element.

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