

Title (en)  
METHOD FOR NET DECREASE OF HAZARDOUS RADIOACTIVE NUCLEAR WASTE MATERIALS

Publication  
**EP 0030404 B1 19860430 (EN)**

Application  
**EP 80201147 A 19801203**

Priority  
US 10065879 A 19791205

Abstract (en)  
[origin: EP0030404A1] A method for decreasing the amount of hazardous radioactive reactor waste materials by separating from the waste of materials having long-term risk potential and exposing these materials to a thermal neutron flux. The utilization of thermal neutrons enhances the natural decay rates of the hazardous materials while the separation for recycling of the hazardous materials prevents further transmutation of stable and short-lived nuclides.

IPC 1-7  
**G21F 9/00**; **G21G 1/00**

IPC 8 full level  
**G21F 9/00** (2006.01); **G21G 1/00** (2006.01)

CPC (source: EP)  
**G21F 9/00** (2013.01)

Cited by  
FR2702591A1; ITCO20130066A1; EP3273446A4; GB2246467A; DE4123145A1; FR2665570A1; GB2246467B; DE4123145C2; US10629316B2; WO8504752A1; WO9417532A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0030404 A1 19810617**; **EP 0030404 B1 19860430**; AT E19561 T1 19860515; AU 539393 B2 19840927; AU 6435380 A 19810611; DE 3071586 D1 19860605; JP S56125698 A 19811002; ZA 807201 B 19820224

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**EP 80201147 A 19801203**; AT 80201147 T 19801203; AU 6435380 A 19801113; DE 3071586 T 19801203; JP 16648080 A 19801126; ZA 807201 A 19801119