

Title (en)

PROCESS FOR DISPENSING OF WASTES CONSTITUTED BY RADIOACTIVE METALLIC PARTICLES, FOR INSTANCE BY DISSOLUTION DUSTS FROM IRRADIATED FUEL ELEMENTS

Publication

EP 0112771 B1 19870401 (FR)

Application

EP 83402466 A 19831219

Priority

FR 8221665 A 19821223

Abstract (en)

[origin: US4571307A] Process for the conditioning of waste constituted by radioactive metal particles insoluble in nitric acid solutions, wherein said particles are suspended in a liquid, the suspension undergoes an evaporation heat treatment by injecting the suspension onto a hot bed of a powder of a metal or an alloy chosen from the group including copper, nickel, zinc, copper alloys, nickel alloys, zinc alloys and stainless steel, and the dry mixture of powder and metal particles obtained after this heat treatment undergoes a melting process at a temperature adequate for melting the metal or alloy powder and for forming clearly defined compounds between the metal of the powder and at least part of the metal constituents of the radioactive particles.

IPC 1-7

G21F 9/34

IPC 8 full level

G21F 9/00 (2006.01); **G21F 9/06** (2006.01); **G21F 9/08** (2006.01); **G21F 9/16** (2006.01); **G21F 9/30** (2006.01)

CPC (source: EP US)

G21F 9/008 (2013.01 - EP US); **G21F 9/302** (2013.01 - EP US)

Cited by

DE3702320A1; GB2163893A

Designated contracting state (EPC)

BE DE GB IT

DOCDB simple family (publication)

EP 0112771 A1 19840704; **EP 0112771 B1 19870401**; DE 3370715 D1 19870507; FR 2538603 A1 19840629; FR 2538603 B1 19880701; JP H0356439 B2 19910828; JP S59133499 A 19840731; US 4571307 A 19860218

DOCDB simple family (application)

EP 83402466 A 19831219; DE 3370715 T 19831219; FR 8221665 A 19821223; JP 24229883 A 19831223; US 56330783 A 19831219