

Title (en)

Process for immobilizing ion-exchangers by hydraulic binding-material.

Title (de)

Verfahren zur Verfestigung von Ionenaustauschermassen durch hydraulisches Bindemittel.

Title (fr)

Procédé d'immobilisation de résines échangeuses d'ions radioactives par liant hydraulique.

Publication

EP 0294260 A1 19881207 (FR)

Application

EP 88401175 A 19880513

Priority

FR 8706871 A 19870515

Abstract (en)

Method for immobilization of radioactive ion exchange resins by means of a hydraulic binder, particularly borate-containing resins. According to the method, the resins are allowed to settle and brought in contact with an eluent solution of 100-300 g/l in Ca(NO₃)₂ with a ratio of 1-2 l/kg of settled resins during 3 hours at the most and, to the medium having a pH \geq 9 there is added a hydraulic binder with low hydration heat so that the weight ratio eluent solution water/binder is comprised between 0.3 and 0.5 and the incorporation ratio settled resins/coated product (by weight) is comprised between 3 and 10 %.

IPC 1-7

G21F 9/16

IPC 8 full level

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

CPC (source: EP KR)

G21F 9/16 (2013.01 - KR); **G21F 9/304** (2013.01 - EP)

Citation (search report)

- [A] DE 2827030 A1 19790111 - ASEA ATOM AB
- [A] DE 2603116 A1 19770811 - NUKEM GMBH
- [A] EP 0157683 A1 19851009 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
- [A] FR 2333331 A1 19770624 - KERNFORSCHUNG GMBH GES FUER [DE]

Cited by

DE4324818A1; DE4324818C2

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI

DOCDB simple family (publication)

WO 8809040 A1 19881117; DE 3869481 D1 19920430; EP 0294260 A1 19881207; EP 0294260 B1 19920325; ES 2031254 T3 19921201; FR 2615315 A1 19881118; FR 2615315 B1 19890825; JP 2683779 B2 19971203; JP H01503332 A 19891109; KR 890702212 A 19891223; KR 970011261 B1 19970708

DOCDB simple family (application)

FR 8800233 W 19880511; DE 3869481 T 19880513; EP 88401175 A 19880513; ES 88401175 T 19880513; FR 8706871 A 19870515; JP 50431188 A 19880511; KR 890700063 A 19890114