

Title (en)

METHOD FOR TREATING RADIOACTIVE WASTE AND SYSTEM FOR IMPLEMENTING THE METHOD

Title (de)

VERFAHREN ZUR BEHANDLUNG VON RADIOAKTIVEM ABFALL UND SYSTEM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE TRAITEMENT DE DECHETS RADIOACTIFS ET SYSTEME PERMETTANT DE METTRE LEDIT PROCEDE EN OEUVRE

Publication

**EP 1449221 A1 20040825 (DE)**

Application

**EP 02767388 A 20020815**

Priority

- DE 10140525 A 20010817
- EP 0209129 W 20020815

Abstract (en)

[origin: WO03017288A1] The invention relates to a method for treating radioactive waste (A) existing, in particular, in the form of contaminated ion-exchange resin, with which a reliable intermediate storage or final storage of the waste (A) with a particularly small volume requirement is made possible. To this end, the invention provides that the waste (A) is mixed with transport water and the mixture is fed to an oxidation reactor (2) inside of which a wet oxidation of organic constituents of the waste (A) takes place under conditions that are supercritical for water (H<sub>2</sub>O).

IPC 1-7

**G21F 9/30**; **G21F 9/32**; **C02F 11/08**

IPC 8 full level

**G21F 9/06** (2006.01); **B01J 3/00** (2006.01); **B09B 3/00** (2006.01); **C02F 11/08** (2006.01); **G21F 9/30** (2006.01); **G21F 9/32** (2006.01)

CPC (source: EP)

**C02F 11/086** (2013.01); **G21F 9/30** (2013.01); **G21F 9/32** (2013.01); **C02F 2101/006** (2013.01)

Citation (search report)

See references of WO 03017288A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03017288 A1 20030227**; DE 10140525 A1 20030313; EP 1449221 A1 20040825; JP 2005505756 A 20050224

DOCDB simple family (application)

**EP 0209129 W 20020815**; DE 10140525 A 20010817; EP 02767388 A 20020815; JP 2003522107 A 20020815