

Title (en)

A method for processing spent ion-exchange resins

Title (de)

Verfahren zur Behandlung von verbrauchten Ionenaustauschern

Title (fr)

Procédé de traitement de résines échangeuses d'ions usées

Publication

EP 1564188 A1 20050817 (EN)

Application

EP 04003230 A 20040213

Priority

EP 04003230 A 20040213

Abstract (en)

A method for processing spent ion-exchange resins is provided by reducing the volume of the spent ion-exchange resins through a wet oxidation process and solidifying the residual wet oxidation slurry and the waste solution with high efficiency. The method comprises of using barium hydroxide as a neutralization agent to adjust pH of the reaction solution so as to drive away ammonia from the solution, and as a conversion agent to convert sulfuric acid and sulfate obtained in the reaction into barium sulfate. The process can solidify the wet oxidation residue slurry and waste solution with high efficiency. <IMAGE>

IPC 1-7

C02F 11/06; **G21F 9/28**

IPC 8 full level

C02F 11/06 (2006.01); **G21F 9/28** (2006.01)

CPC (source: EP)

G21F 9/28 (2013.01); **G21F 9/304** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1564188 A1 20050817; **EP 1564188 B1 20061129**; AT E346827 T1 20061215; DE 602004003464 D1 20070111; DE 602004003464 T2 20070920; ES 2278237 T3 20070801

DOCDB simple family (application)

EP 04003230 A 20040213; AT 04003230 T 20040213; DE 602004003464 T 20040213; ES 04003230 T 20040213