

Title (en)
PROCESS FOR PURIFYING A NITRIC-ACID U/PU SOLUTION

Publication
EP 0033091 B1 19840606 (DE)

Application
EP 81100235 A 19810114

Priority
DE 3003088 A 19800129

Abstract (en)
[origin: US4431580A] Purifying a nitric acid solution containing U/Pu ions and contaminated by metal impurities by (a) oxidizing the U/Pu ions of the solution to the hexavalent form, (b) conducting the solution after oxidation through a cation exchanger column in which the impurities, especially americium, are retained, (c) flushing the cation exchanger column to remove impurities therefrom, which may be taken to waste processing or utilization plant.

IPC 1-7
C22B 60/02; **C22B 60/04**; **G21F 9/12**

IPC 8 full level
C01G 43/00 (2006.01); **B01J 39/04** (2006.01); **C01G 56/00** (2006.01); **C22B 60/02** (2006.01); **C22B 60/04** (2006.01); **G21C 19/46** (2006.01); **G21F 9/00** (2006.01); **G21F 9/12** (2006.01)

CPC (source: EP US)
C22B 60/0265 (2013.01 - EP US); **C22B 60/04** (2013.01 - EP US); **G21F 9/12** (2013.01 - EP US)

Citation (examination)
• FR 2198902 A1 19740405 - BAYER AG [DE]
• DE 2733396 B1 19780907 - KERNFORSCHUNGSANLAGE JUELICH
• GB 812815 A 19590429 - PERMUTIT CO LTD

Designated contracting state (EPC)
BE DE FR GB

DOCDB simple family (publication)
EP 0033091 A1 19810805; **EP 0033091 B1 19840606**; DE 3003088 A1 19810730; DE 3162623 D1 19840712; JP H0128920 B2 19890606; JP S5716396 A 19820127; US 4431580 A 19840214

DOCDB simple family (application)
EP 81100235 A 19810114; DE 3003088 A 19800129; DE 3162623 T 19810114; JP 1220881 A 19810129; US 22824781 A 19810126