

Title (en)

PROCESS FOR THE CONTINUOUS OR QUASI-CONTINUOUS SEPARATION OF CESIUM-IONS FROM AQUEOUS SOLUTIONS BY MEANS OF ION-EXCHANGE ON AMMONIUM PHOSPHOMOLYBDATE

Publication

EP 0252166 B1 19910717 (DE)

Application

EP 86109194 A 19860705

Priority

EP 86109194 A 19860705

Abstract (en)

[origin: US4826604A] The invention relates to a process for continuous or almost continuous separation of cesium ions from aqueous solutions having high concentrations of sodium and/or potassium ions by ion exchange with ammonium molybdophosphate (AMP). A quantitative cesium separation from aqueous solutions which are high in salts, especially from highly radioactive solutions which are strongly nitric and contain nitrate, is achieved, without having to consider bleeding of the AMP and/or undesirable local overheating in the exchanger.

IPC 1-7

G21F 9/12

IPC 8 full level

G21F 9/06 (2006.01); **C02F 1/42** (2006.01); **G21F 9/00** (2006.01); **G21F 9/12** (2006.01)

CPC (source: EP US)

G21F 9/12 (2013.01 - EP US)

Cited by

DE102017105004B4; DE3912702C1; DE102017105004A1

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

EP 0252166 A1 19880113; **EP 0252166 B1 19910717**; DE 3680337 D1 19910822; JP H07111474 B2 19951129; JP S6327797 A 19880205; US 4826604 A 19890502

DOCDB simple family (application)

EP 86109194 A 19860705; DE 3680337 T 19860705; JP 16712387 A 19870706; US 6943887 A 19870702