

Title (en)
SEPARATION OF ACTINIUM FROM PROCESS LIQUORS

Title (de)
ABTRENNUNG VON ACTINIUM AUS PROZESSLAUGEN

Title (fr)
SÉPARATION D'ACTINIUM À PARTIR DE LIQUEURS DE TRAITEMENT

Publication
EP 3645759 A1 20200506 (EN)

Application
EP 18823055 A 20180626

Priority
• AU 2017902476 A 20170627
• AU 2018000105 W 20180626

Abstract (en)
[origin: WO2019000014A1] The present specification relates to a method for removing actinium from process liquors comprising ions of interest (which may be, for example, rare earth ions) and actinium ions. In this method, a low solubility metal sulfate salt is caused to precipitate from a solution comprising ions of interest and actinium ions. Actinium ions become associated with the precipitate causing them to be removed from the solution. The method allows actinium to be removed from the solution selectively i.e. without the concurrent removal of substantial amounts of the ions of interest present in the solution.

IPC 8 full level
C22B 59/00 (2006.01); **C01F 11/46** (2006.01); **C01G 21/20** (2006.01); **C22B 3/12** (2006.01); **C22B 60/00** (2006.01)

CPC (source: DK EP)
C01F 11/462 (2013.01 - DK EP); **C01G 21/20** (2013.01 - DK EP); **C01G 99/00** (2013.01 - EP); **C02F 1/5245** (2013.01 - EP); **C22B 3/12** (2013.01 - DK); **C22B 3/44** (2013.01 - EP); **C22B 59/00** (2013.01 - DK); **C22B 60/02** (2013.01 - DK); **C22B 60/0221** (2013.01 - EP); **C02F 1/5209** (2013.01 - EP); **C02F 2101/006** (2013.01 - EP); **C02F 2101/20** (2013.01 - EP); **C02F 2103/10** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019000014 A1 20190103; AU 2018293909 A1 20191219; BR 112019026844 A2 20200630; CA 3065375 A1 20190103; DK 180858 B1 20220523; DK 202070008 A1 20200115; EP 3645759 A1 20200506; EP 3645759 A4 20210324; ZA 201908408 B 20220330

DOCDB simple family (application)
AU 2018000105 W 20180626; AU 2018293909 A 20180626; BR 112019026844 A 20180626; CA 3065375 A 20180626; DK PA202070008 A 20200106; EP 18823055 A 20180626; ZA 201908408 A 20191217