

Title (en)

PROCESS FOR THE COMPLETE RECOVERY OF URANIUM, YTTRIUM, THORIUM AND RARE EARTH METALS FROM A PHOSPHATE ORE WHILE PREPARING WET PROCESS PHOSPHORIC ACID

Publication

EP 0109327 B1 19861230 (FR)

Application

EP 83402114 A 19831028

Priority

FR 8218910 A 19821110

Abstract (en)

[origin: ES8406374A1] The uranium, yttrium, thorium and rare earth values contained in a phosphate rock are essentially totally recovered therefrom by, during the wet-process preparation of phosphoric acid from said phosphate rock, acidulating same in the presence of aluminum and/or iron, and optionally silica, and thence recovering said values from the phosphoric acid thus produced.

IPC 1-7

C22B 60/02; **C22B 59/00**

IPC 8 full level

C01B 25/222 (2006.01); **C01F 15/00** (2006.01); **C01F 17/00** (2006.01); **C01G 43/00** (2006.01); **C22B 59/00** (2006.01); **C22B 60/02** (2006.01)

CPC (source: EP KR US)

C22B 59/00 (2013.01 - EP US); **C22B 60/02** (2013.01 - KR); **C22B 60/0282** (2013.01 - EP US); **C22B 60/0291** (2013.01 - EP US)

Citation (examination)

EP 0031793 A2 19810708 - ALUSUISSE [CH]

Cited by

CN103184356A

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0109327 A1 19840523; **EP 0109327 B1 19861230**; AU 2111383 A 19840517; AU 559423 B2 19870312; BR 8306163 A 19840612; CA 1222376 A 19870602; DE 3368689 D1 19870205; ES 527101 A0 19840701; ES 8406374 A1 19840701; FI 74491 B 19871030; FI 74491 C 19880208; FI 834107 A0 19831109; FI 834107 A 19840511; FR 2535702 A1 19840511; FR 2535702 B1 19860912; GR 78756 B 19841002; IL 70180 A0 19840229; IL 70180 A 19871030; JP S59116126 A 19840704; JP S6058175 B2 19851218; KR 840006508 A 19841130; KR 890004520 B1 19891110; MA 19949 A1 19840701; US 4636369 A 19870113; ZA 838268 B 19840926

DOCDB simple family (application)

EP 83402114 A 19831028; AU 2111383 A 19831109; BR 8306163 A 19831109; CA 440775 A 19831109; DE 3368689 T 19831028; ES 527101 A 19831108; FI 834107 A 19831109; FR 8218910 A 19821110; GR 830172914 A 19831108; IL 7018083 A 19831109; JP 20765483 A 19831107; KR 830004935 A 19831019; MA 20169 A 19831108; US 55062783 A 19831110; ZA 838268 A 19831107