

Title (en)

SELECTIVE RECOVERY OF RARE EARTH METALS FROM AN ACIDIC SLURRY OR ACIDIC SOLUTION

Title (de)

SELEKTIVE RÜCKGEWINNUNG VON SELTENERDMETALLEN AUS EINER SAUREN SUSPENSION ODER SAUREN LÖSUNG

Title (fr)

RÉCUPÉRATION SÉLECTIVE DE MÉTAUX DES TERRES RARES À PARTIR D'UNE SUSPENSION ACIDE OU D'UNE SOLUTION ACIDE

Publication

**EP 3710607 A1 20200923 (EN)**

Application

**EP 18879504 A 20181116**

Priority

- US 201762587858 P 20171117
- US 201816186897 A 20181112
- US 2018061561 W 20181116

Abstract (en)

[origin: WO2019099859A1] A method for extracting rare earth metals from an acidic slurry or an acidic solution. The method includes providing an acidic slurry or acidic solution; adding a composite comprising an extractant and a polymer resin; mixing the composite with the acidic slurry or acidic solution to form a mixture slurry or solution; and separating the mixture slurry or solution into a rare-earth-metal-loaded composite and a raffinate slurry or solution. The acidic slurry or acidic solution comprises at least one rare earth metal and at least one early transition metal and/or at least one actinide metal.

IPC 8 full level

**C22B 59/00** (2006.01); **C22B 7/00** (2006.01)

CPC (source: CN EP)

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Designated contracting state (EPC)

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