

Title (en)

METHOD FOR THE TREATMENT OF MIXED HYDROXIDE PRODUCT PRODUCED IN A METAL EXTRACTION PROCESS

Title (de)

VERFAHREN ZUR BEARBEITUNG EINES IN EINEM METALLEXTRAKTIONSPROZESS HERGESTELLTEN MISCHHYDROXIDPRODUKTS

Title (fr)

PROCÉDÉ POUR LE TRAITEMENT DE PRODUIT HYDROXYDE MÉLANGÉ PRODUIT DANS UN PROCESSUS D'EXTRACTION DE MÉTAL

Publication

EP 2279272 A1 20110202 (EN)

Application

EP 09843179 A 20090420

Priority

- AU 2009000486 W 20090420
- AU 2008901925 A 20080418

Abstract (en)

[origin: WO2010118455A1] A method for the treatment of mixed hydroxide product (MHP) (10) produced in a metal extraction process such as a nickel extraction process. The method comprises the steps of treating the MHP (10) with a first acid solution (12) at a pH in the range of 4 to 8 as a first redissolution step (14) and separating a first liquor (16) formed in the first redissolution step (14) from a first residue (18) formed in this step. The method further comprises the step of treating the first residue (18) with a second acid solution (20) at a pH in the range of 0.5 to 4 as a second redissolution step (22). In this way, the impurities in the MHP may be selectively removed in the two redissolution steps.

IPC 8 full level

C22B 3/20 (2006.01); **C22B 3/04** (2006.01); **C22B 3/06** (2006.01); **C22B 23/00** (2006.01)

CPC (source: EP)

C22B 3/44 (2013.01); **C22B 23/0461** (2013.01); **Y02P 10/20** (2015.11)

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010118455 A1 20101021; AU 2009344269 A1 20101021; AU 2009344269 B2 20130214; BR PI0910648 A2 20150922; CN 102066590 A 20110518; EP 2279272 A1 20110202; EP 2279272 A4 20140423

DOCDB simple family (application)

AU 2009000486 W 20090420; AU 2009344269 A 20090420; BR PI0910648 A 20090420; CN 200980123315 A 20090420; EP 09843179 A 20090420