

Title (en)

PROCESS FOR LEACHING LATERITIC ORE AT ATMOSPHERIC PRESSURE

Title (de)

VERFAHREN ZUM AUSLAUGEN VON LATERITISCHEM ERZ BEI NORMALDRUCK

Title (fr)

PROCEDE DE LIXIVIATION DE MINERAIS LATERITIQUES A LA PRESSION ATMOSPHERIQUE

Publication

EP 1929056 A4 20090415 (EN)

Application

EP 05789466 A 20050930

Priority

AU 2005001497 W 20050930

Abstract (en)

[origin: WO2007035978A1] An atmospheric leaching process in the recovery of nickel and cobalt from a lateritic ore, said lateritic ore including a low magnesium ore fraction and a high magnesium ore fraction, said process including the steps of: (a) forming an aqueous pulp of said lateritic ore, (b) leaching said aqueous pulp with a concentrated mineral acid at atmospheric pressure to produce a slurry containing a pregnant leach liquor and a leach residue, (c) treating the pregnant leach liquor either separately or as part of said slurry to recover dissolved nickel and cobalt therefrom, leaving a magnesium containing barren solution, (d) treating said magnesium containing solution to recover a magnesium containing salt therefrom.

IPC 8 full level

C22B 3/06 (2006.01); **C22B 3/08** (2006.01); **C22B 23/00** (2006.01); **C22B 26/22** (2006.01)

CPC (source: EP US)

C22B 23/043 (2013.01 - EP US); **C22B 23/0461** (2013.01 - EP US); **C22B 26/22** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US)

Citation (search report)

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- [Y] US 4410498 A 19831018 - HATCH WILLIAM R [CA], et al
- See references of WO 2007035978A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK

DOCDB simple family (publication)

WO 2007035978 A1 20070405; AU 2005336880 A1 20070405; EA 200800997 A1 20080829; EC SP088357 A 20080630; EP 1929056 A1 20080611; EP 1929056 A4 20090415; JP 2009510258 A 20090312; US 2008271571 A1 20081106

DOCDB simple family (application)

AU 2005001497 W 20050930; AU 2005336880 A 20050930; EA 200800997 A 20050930; EC SP088357 A 20080409; EP 05789466 A 20050930; JP 2008532537 A 20050930; US 5487708 A 20080325