

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
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Citation (search report)
• [Y] US 4298379 A 19811103 - ZAMBRANO ADOLFO R
• [Y] FR 2448577 A1 19800905 - STAUFFER CHEMICAL CO [CH]
• [Y] US 5571308 A 19961105 - DUYVESTYEN WILLEM P C [US], et al
• [Y] US 4548794 A 19851022 - LOWENHAUPT E HARRIS [US], et al
• [Y] US 4410498 A 19831018 - HATCH WILLIAM R [CA], et al
• See references of WO 2007035978A1

Designated contracting state (EPC)
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