

Title (en)

METHOD FOR NICKEL AND COBALT RECOVERY FROM LATERITE ORES BY REACTION WITH CONCENTRATED ACID WATER LEACHING

Title (de)

VERFAHREN ZUR GEWINNUNG VON NICKEL UND COBALT AUS LATERITERZEN DURCH UMSETZUNG MIT KONZENTRIERTER SÄURE UND WASSERAUSLAUGUNG

Title (fr)

METHODE DE RECUPERATION DE NICKEL ET DE COBALT A PARTIR DE MINERAIS DE LATERITE

Publication

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Application

EP 05759184 A 20050627

Priority

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- US 58324304 P 20040628

Abstract (en)

[origin: US2006002835A1] A process for leaching laterite ores containing limonite and saprolite in a two stage process. The first stage consisting of mixing and reacting the ore with concentrated mineral acid, and the second stage consisting of preparing a slurry of the acid/ore mixture in water and leaching the mixture to dissolve nickel and cobalt. Iron is efficiently separated from nickel and cobalt in the solid leach residue primarily as an oxide or hydroxide of ferric iron other than jarosite.

IPC 8 full level

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CPC (source: EP KR US)

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