Title (en)

OXIDATIVE PRESSURE LEACH RECOVERY OF PRECIOUS METALS USING HALIDE IONS

Title (de)

GEWINNUNG VON EDELMETALLEN MITTELS OXIDIERENDER HALID-LAUGUNG UNTER DRUCK

Title (fr)

RECUPERATION DE METAUX PRECIEUX PAR LIXIVIATION OXYDATIVE SOUS PRESSION AU MOYEN D'IONS HALOGENURE

Publication

EP 1185717 A1 20020313 (EN)

Application

EP 00926596 A 20000427

Priority

- CA 0000438 W 20000427
- CA 2303661 A 20000403
- US 30087899 A 19990428

Abstract (en)

[origin: WO0065111A1] A method for recovering a precious metal from a host material, comprises the steps of subjecting the host material to an oxidative pressure leach process, in the presence of a halide ion constituent, preferably a chloride ion, which is reactive with the precious metal, and at an elevated temperature of at least 170 DEG C to cause at least a portion of the precious metal to be extracted by a leach solution in the form of a precious metal-bearing chloride complex, and recovering the precious metal from the leach solution. When the host material is a smelt malte material including a base metal and a precious metal, said malte is subjected to a first oxidative pressure leach process to recover substantially all of said base metal in the form of at least one sulphate complex into a first leach solution, and then said malte material is subjected to a second oxidative pressure leach process in the presence of a halide ion constituent and at a temperature sufficient to cause at least a portion of said precious metal to be recovered into a second leach solution, from which the precious metal is extracted.

IPC 1-7

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IPC 8 full level

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See references of WO 0065111A1

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FI GR

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