

Title (en)

SOLVENT EXTRACTION PROCESS FOR THE RECOVERY OF VALUABLE METALS FROM ACIDIC LEACHATES

Title (de)

FLÜSSIG/FLÜSSIG-EXTRAKTIONSVERFAHREN FÜR DIE GEWINNUNG VON WERTMETALLEN AUS SAUREN LAUGELÖSUNGEN

Title (fr)

PROCEDE PERMETTANT DE RECUPERER DES METAUX DE VALEUR

Publication

EP 1230406 A2 20020814 (EN)

Application

EP 00985012 A 20001111

Priority

- DE 19955881 A 19991120
- EP 0011184 W 20001111

Abstract (en)

[origin: DE19955881A1] Process for the recovery of valuable metals from an acidic aqueous leaching solution containing 10-40 g/l valuable metal ions comprises liquid/liquid extraction of the solution by contacting the solution once with an organic water insoluble extractant; contacting the extractant charged with valuable metal ions with an acidic aqueous phase, the metal ions being converted into the acidic aqueous phase; and subjecting the acidic aqueous phase to electrolysis or crystallization to recover the valuable metal. The pH of the aqueous leaching solution is adjusted to 1.2-2.5 before and/or during the liquid/liquid extraction. Preferred Features: The leaching solution contains copper ions.

IPC 1-7

C22B 3/26; C22B 15/00; C22B 3/18; C22B 3/30; B01D 11/04

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 0138590A2

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DE 19955881 A1 20010523; AU 2157601 A 20010604; CA 2391394 A1 20010531; EP 1230406 A2 20020814; MX PA02004899 A 20031014; PL 354899 A1 20040322; WO 0138590 A2 20010531; WO 0138590 A3 20011129

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