

Title (en)  
HYDROMETALLURGICAL ARSENOPYRITE PROCESS

Publication  
**EP 0119685 B1 19880803 (EN)**

Application  
**EP 84300292 A 19840118**

Priority  
US 45884683 A 19830118

Abstract (en)  
[origin: EP0119685A1] A process for the hydrometallurgical recovery of gold from arsenical pyrite concentrate. The process comprises decomposing the concentrate by using a leach composed of higher valence nitrogen oxides present in acidic solution; subjecting the decomposed product to a solid-liquid separation to produce a residue and a liquid fraction; recovering gold from the residue by conventional means; and precipitating dissolved arsenic, iron and sulphur from the liquid fraction before recycling the liquid fraction in the process.

IPC 1-7  
**C22B 11/04**; **C22B 3/00**

IPC 8 full level  
**C22B 11/00** (2006.01); **C22B 11/06** (2006.01); **C22B 11/08** (2006.01)

CPC (source: EP)  
**C22B 11/04** (2013.01); **C22B 11/06** (2013.01); **C22B 11/08** (2013.01)

Cited by  
CN104263963A; CN104263961A; US5711922A; EP0272060A3; CN104263962A; US5484579A; RU2657254C1; WO9417216A1; WO8701733A1; WO9711202A1; US9611158B2; US9902632B2

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**EP 84300292 A 19840118**; AU 2351584 A 19840116; CA 443728 A 19831220; DE 3473163 T 19840118; ZA 84153 A 19840109