

Title (en)

PROCESS FOR EXTRACTING PRECIOUS METALS FROM ORE CONCENTRATES

Publication

EP 0276215 B1 19900718 (DE)

Application

EP 86905719 A 19860918

Priority

DE 3534224 A 19850923

Abstract (en)

[origin: WO8701733A1] Wet chemical process for extracting gold and silver by direct oxidizing, sulphuric acid disintegration of carbon-containing arsenopyrite (FeAsS₂) concentrates containing silicate gangue or silicate and pyritic gangue, in which arsenic and iron are fully transformed into solution and the precious metals are quantitatively enriched in the silicate residue. After decarbonization gold and silver can be obtained by cyanide leaching without adsorption losses. Also described is a wet chemical process for making concentrates with a high gold and silver content.

IPC 1-7

C22B 11/00; **C22B 11/08**

IPC 8 full level

C22B 3/44 (2006.01); **C22B 11/00** (2006.01); **C22B 11/08** (2006.01)

CPC (source: EP US)

C22B 11/00 (2013.01 - EP US); **C22B 11/04** (2013.01 - EP US); **C22B 11/08** (2013.01 - EP US)

Citation (examination)

- US 1004001 A 19110926 - ERICKSON AXEL M [US]
- The Metallurgical Society of AIME, vol. 23, 03.03.1971 N.Y. (USA) R.J. Scheiner et al.: "Processing refractory carbonaceous ores for gold recovery", pp 37-40, see p. 38

Designated contracting state (EPC)

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WO 8701733 A1 19870326; AU 595236 B2 19900329; AU 6295486 A 19870326; BR 8604560 A 19870519; CA 1277143 C 19901204; CN 1008447 B 19900620; CN 86107005 A 19870902; DE 3534224 A1 19870402; DE 3672838 D1 19900823; EP 0276215 A1 19880803; EP 0276215 B1 19900718; ES 2001981 A6 19880701; GB 2181421 A 19870423; GB 2181421 B 19891129; GB 8615067 D0 19860723; GB 8622873 D0 19861029; PH 23578 A 19890911; US 4786323 A 19881122; ZA 867138 B 19870527; ZW 19186 A1 19871028

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DE 8600383 W 19860918; AU 6295486 A 19860919; BR 8604560 A 19860923; CA 518585 A 19860918; CN 86107005 A 19860922; DE 3534224 A 19850923; DE 3672838 T 19860918; EP 86905719 A 19860918; ES 8602113 A 19860923; GB 8615067 A 19860620; GB 8622873 A 19860923; PH 34267 A 19860919; US 91051986 A 19860923; ZA 867138 A 19860919; ZW 19186 A 19860916