

Title (en)
METHOD FOR MICROWAVE INDUCED OXIDATION OF SULPHIDIC ORE MATERIAL IN FLUIDIZED BED WITHOUT SULPHUR DIOXIDE EMISSIONS

Title (de)
VERFAHREN ZUR WIRBELSCHICHTRÖSTUNG SULFIDISCHER ERZMATERIALIEN OHNE SCHWEFELDIOXIDEMISSIONEN UNTER VERWENDUNG VON MIKROWELLENHEIZUNG

Title (fr)
PROCEDE D'OXYDATION PAR MICRO-ONDE D'UN MINERAL SULFURE DANS UN LIT FLUIDISE, SANS EMISSION DE DIOXYDE DE SOUFRE

Publication
EP 0950122 A1 19991020 (EN)

Application
EP 97935397 A 19970808

Priority

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- US 89710397 A 19970718

Abstract (en)
[origin: WO9808989A1] The present invention relates to a method for processing pyrite minerals, using a microwave energized fluidizing reactor, under temperature conditions that provide reaction products that are relatively free of SO₂ emissions. The controlled temperature conditions at which the reaction products are hematite and elemental sulphur may be achieved by recirculating and cooling a portion of the outgoing fluidizing gas and by adjusting the microwave energy supplied to the fluidized bed.

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