

Title (en)

Process for the selective flotation of a sulphide ore containing copper, lead and zinc

Title (de)

Verfahren zur selektiven Flotation eines sulfidischen Kupfer-Blei-Zinkerzes

Title (fr)

Procédé pour la flottation sélective d'un minerai sulfuré contenant du cuivre, du plomb et du zinc

Publication

EP 0597522 B1 19960417 (DE)

Application

EP 93203068 A 19931102

Priority

DE 4238244 A 19921112

Abstract (en)

[origin: EP0597522A1] A process is provided for the selective flotation of a sulphide ore containing copper, lead and zinc, the crude ore being ground and flurried with water, the suspension formed being aerated to establish a defined redox potential, being successively conditioned with SO₂, Ca(OH)₂ and with collectors and frothers and then the Cu flotation being carried out, in the aeration of the suspension before the Cu flotation, a redox potential of 70 to 90% of the redox potential desired for the Cu flotation being established and the desired redox potential of 60 to 340 mV being established by the aeration during the Cu flotation and the Cu flotation proceeding at a pH of 8.5 to 10.5 and Cu being removed from the flotation with the froth.

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Cited by

EP2563522A4; CN101786049A; AU691312B2; US5753104A; CN105013618A; WO9601150A1

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