

Title (en)

Method of reducing water quantity in slurries of oxidic nickel ores by injection of acrylic flocculant

Title (de)

Verfahren zur Reduzierung der Wassermenge in nickeloxidhaltigen Erzschlammern durch Injektion akrylsaurer Flockungsmittel

Title (fr)

Procédé pour diminuer la quantité d'eau contenue dans les pulpes de minerais nickelifères oxydés par injection d'un flocculant acrylique

Publication

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Application

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Priority

FR 9710075 A 19970806

Abstract (en)

[origin: FR2767143A1] Method for reducing water content of mineral nickel iron oxide pulps comprises diluting pulp with water; and injecting flocculant based on acrylic acid copolymer. Method for reducing water content of mineral nickel iron oxide pulps comprises successively diluting pulp with water to concentration less than 150 g, preferably less than 80 g solid l<-1>; injecting diluted pulp with dilute aqueous solution of preferably less than 0.5 gl<-1> organic flocculant based on weakly anionic copolymer derived from acrylic acid with average molecular weight = 2×10^6 - 3×10^6 in doses of 50-1000 g per ton of dry material in pulp, to obtain upper layer containing 100 mg l<-1> solid and lower layer containing 300-450 g l<-1> solid; and then separating the two layers.

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