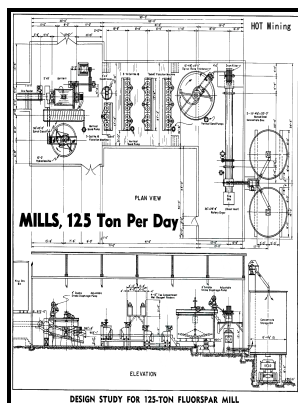


Flotation Concentration of A Complex Barite-Fluorspar Ore.

s.n - Fluorspar Beneficiation Process Plant



Description: -

-Flotation Concentration of A Complex Barite-Fluorspar Ore.

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Report of investigations (United States. Bureau of Mines) --
6213 Flotation Concentration of A Complex Barite-Fluorspar Ore.

Notes: 1

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Tags: #Froth #flotation #process #used #for #the #concentration #of #sulfide #ore #.

flotation of fluorspar

What is claimed is: 1.

Froth floatation process used for the concentration of sulphide ore:

The rougher froth was repulped with additional hard water and refloats twice using 0. The pulp was then diluted and frothed in a minerals separation flotation machine, a rougher float of fluorspar and silica being. A typical test using the equivalent of 1.

Fluorspar Beneficiation Process Plant

The deviations from the standard fluorspar flowsheet were first substantiated by locked cycle batch laboratory tests followed by a small tonnage pilot plant run to verify the laboratory results before final recommendations were made. A second stage conditioning of the thickened lead tailing, after repulping with fresh water, is required for flotation of the fluorspar.

barite extraction plant

The sulphonic is the dominant acidic group and the amount depends on the degree of sulphonization employed in the pulping process to solubilize the lignin and allow its separation from the cellulose. Those ores containing sufficient sulfide minerals to warrant their economic recovery may best be treated by customary sulfide flotation methods to first recover the sulfides and the resulting tailings may then be retreated by this invention to recover the fluorspar and reject the gangue. Technical Review and Evaluation of Ore Sorting Technology Incorporating Results from Four Properties, in Muinonen J, Cameron R and Zinck J Editors 49th Annual Canadian Minerals Processors Conference Proceedings, pp 99-112, Ottawa, Canada, 2017, Office of the Secretary of the Canadian Mineral Processors, a.

US2222728A

The process of concentrating calcite from ores containing silicious matter, which comprises adding to such an ore a compound selected from the

class consisting of free amines containing a water-repellent aliphatic hydrocarbon radical and the salts of said amines with acids substantially soluble in water, said compound being used in restricted amount causing it to collect silicious matter in preference to calcite; separating in an aqueous pulp a material richer in silicious matter and poorer in calcite; and collecting the remaining material as the concentrate.

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