

Title (en)
FLOTATION ADJUVANT AND METHOD FOR THE FLOTATION OF NON-SULPHIDIC ORES

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Abstract (en)
[origin: US4457850A] Flotation aids and a process for the flotation of non-sulfidic minerals. The flotation aids have the formula <IMAGE> I wherein R represents an aliphatic, cyclic, or alicyclic C7-C23 radical, optionally substituted with one or more hydroxyl, sulfhydryl, carbonyl, ether, or thioether groups; X_n⁺ is hydrogen or a water-solubilizing, salt-forming cation; and n is the valence of X. The invention also relates to ore suspensions and mineral concentrates in association with the above flotation aids.

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Citation (search report)
• [A] US 2120217 A 19380607 - HARRIS BENJAMIN R
• [AD] CHEMICAL ABSTRACTS, Band 80, Nr. 19, 13. Mai 1974, Seite 368, Nr. 107951q, Columbus, Ohio, US; A.E. BASKAEVA et al.: "Preparation of stearoyllactic (2-(stearoyloxy)propionic) acid"

Cited by
AT397048B; US5441156A; US5540336A; EP0201815A3; WO9118674A1; WO9221443A1; WO9306935A1; WO9115298A1

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