

Title (en)
PROCESS FOR FROTH FLOTATION

Title (de)
VERFAHREN ZUR SCHAUMFLOTATION

Title (fr)
PROCÉDÉ DE FLOTTATION PAR MOUSSE

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Application
EP 19734426 A 20190704

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Abstract (en)
[origin: WO2020007971A1] The invention relates to a process for froth flotation of an ore to recover phosphate-containing materials from the ore, that includes adding a primary collector and a collector aid to the ore, next performing a conditioning step of the ore, wherein the primary collector is selected from the group consisting of an amphoteric surface-active compound, an anionic surface-active compound and combinations thereof; and the collector aid has the formula $R_3-CO-O-A_n-R_4$ where R_3 is a linear or branched, alkyl or hydroxyalkyl group having from 3 to 8 carbon atoms, R_4 is a linear or branched, alkyl or hydroxyalkyl group having from 3 to 10 carbon atoms and at least one of R_3 and R_4 contains a hydroxyl group; A is either ethoxy, propoxy or butoxy and n is 0-10.

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