

Title (en)

MIXTURE OF AN AMINE ALKOXYLATE ESTER AND A QUATERNARY AMMONIUM COMPOUND AS A COLLECTOR FOR MINERALS CONTAINING SILICATE

Title (de)

MISCHUNG AUS EINEM AMINALKOXYLATESTER UND EINER QUARTERNÄREN AMMONIUMVERBINDUNG ALS SAMMLER FÜR SILIKATHALTIGE MINERALIEN

Title (fr)

MÉLANGE D'UN ESTER ALKOXYLATE D'AMINE ET D'UN COMPOSÉ D'AMMONIUM QUATERNAIRE EN TANT QUE COLLECTEUR POUR MINÉRAUX CONTENANT DU SILICATE

Publication

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Application

**EP 09778846 A 20091006**

Priority

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Abstract (en)

[origin: WO2010051895A1] The invention relates to the use of a composition of A) at least one quaternary ammonia compound comprising at least one organic radical bonded to the ammonia nitrogen atom and optionally comprising heteroatoms and having 1 to 36 carbon atoms, and B) at least one amine alkoxylate ester of formula (1) or a salt thereof, where A, B are, independently of each other, a C2- through C5-alkylene radical R1, a C8- through C24-alkyl radical or alkenyl radical R2, R3, R4 independent of each other, H, or a C8- through C24-acyl radical, with the stipulation that at least one of the radicals R2, R3 or R4 stands for a C8- through C24-acyl radical, and x, y, z, independently of each other, stand for a whole number from 0 through 50, with the stipulation that x + y + z is a whole number from 1 through 100, in quantities of 10 through 5000 g/tonne of ore as a collector in silicate floatation.

IPC 8 full level

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