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Filippov(10) **Pub. No.: US 2013/0068666 A1**(43) **Pub. Date: Mar. 21, 2013**(54) **FLOTATION PROCESS FOR RECOVERING
FELDSPAR FROM A FELDSPAR ORE****Publication Classification**(75) Inventor: **Lev O. Philippov**, Nancy (FR)(73) Assignees: **Universite de Lorraine**, Nancy Cedex
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Scientific (C.N.R.S)**, Cedex 16 (FR)(51) **Int. Cl.**
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USPC **209/166**(57) **ABSTRACT**

A flotation process for recovering feldspar from a feldspar containing feed material, comprising the following steps: (1) forming an aqueous suspension of a feldspar containing feed material, in the absence of hydrofluoric acid, wherein the suspension comprises from 0.004 to 0.3% wt. of a flotation reagent comprising: (a) one or more amines, containing at least one aliphatic hydrocarbon chain, linear or branched, saturated or unsaturated, comprising 8 to 50 carbon atoms, or a salt thereof; and (b) one or more primary, secondary or tertiary alcohols, containing at least one aliphatic hydrocarbon chain, linear or branched, saturated or unsaturated, comprising 8 to 50 carbon atoms; the ratio of (a) to (b) ranging from 500:1 to 1:40 by weight; (2) agitating the obtained suspension to produce a feldspar containing fraction, and (3) separating the feldspar containing fraction.

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