

Title (en)

DISSOCIATING AGENTS, FORMULATIONS AND METHODS PROVIDING ENHANCED SOLUBILITY OF FLUORIDES

Title (de)

ZERFALLENDE MITTEL, FORMULIERUNGEN UND VERFAHREN MIT ERHÖHTER FLUORIDLÖSLICHKEIT

Title (fr)

AGENTS DISSOCIANTS, FORMULATIONS ET PROCÉDÉS FOURNISSANT UNE SOLUBILITÉ AUGMENTÉE DES FLUORURES

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Abstract (en)

[origin: WO2008105916A2] The present invention provides compositions, formulations and methods providing for the effective dissolution of inorganic fluorides in solvents via incorporation of a dissociating agent component. Dissociating agents of the present invention participate in chemical reactions in solution, such as complex formation, acid-base reactions, and adduct formation reactions, that result in enhancement in the dissolution of inorganic fluorides in a range of solvent environments. Dissociating agents comprising Lewis acids, Lewis bases, anion receptors, cation receptors or combinations thereof are provided that significantly increase the extent of dissolution of a range of inorganic fluorides, particularly inorganic fluorides, such as LiF, that are highly insoluble in many solvents in the absence of the dissociating agents of the present invention.

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