

Title (en)  
METHOD FOR DISSOLVING A CRYSTALLINE MATERIAL.

Title (de)  
VERFAHREN ZUM AUFLÖSEN VON KRISTALLINEN MATERIALIEN.

Title (fr)  
PROCEDE DE DISSOLUTION D'UN MATERIAU CRISTALLIN.

Publication  
**EP 0510163 A1 19921028 (FR)**

Application  
**EP 91920468 A 19911108**

Priority  
FR 9014042 A 19901113

Abstract (en)  
[origin: WO9209110A1] A method for controllably dissolving a crystalline material consisting of several kinds of ions in a solution containing a solvent for the crystalline material. Before dissolution, said solution contains at least two kinds of ions of the crystalline material. The molar concentration of each kind of ion is greater than zero but lower than the molar concentration of each kind of ion which the solution would have when saturated, if it contained all the ions making up the crystalline material, under the temperature and pressure conditions of dissolution. Said method can be used for the chemical milling of piezoelectrical materials, particularly berlinite.

Abstract (fr)  
La présente invention concerne un procédé de dissolution contrôlée d'un matériau cristallin formé de plusieurs sortes d'ions, dans une solution contenant un solvant du matériau cristallin. La solution contient, avant dissolution, au moins deux sortes d'ions du matériau cristallin. La concentration molaire en ion de chaque sorte est supérieure à zéro et inférieure à la concentration molaire en ion de chaque sorte qu'aurait la solution à saturation, si elle contenait l'ensemble de ions constitutifs du matériau cristallin, dans les conditions de température et de pression de la dissolution. Application: usinage chimique de matériaux piézoélectriques notamment de berlinite.

IPC 1-7  
**H01L 41/22**

IPC 8 full level  
**H01L 21/308** (2006.01); **B01F 1/00** (2006.01); **H01L 41/22** (2013.01); **H01L 41/332** (2013.01)

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