

Title (en)

METHOD FOR PRODUCING CRYSTALS AND/OR CRYSTAL MATERIALS CONTAINING FLUORINE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FLUORHALTIGEN KRISTALLEN UND/ODER KRISTALLMATERIALIEN

Title (fr)

PROCEDE DE PRODUCTION DE CRISTAUX ET/OU DE MATIERES CRISTALLINES FLUORITIQUES

Publication

**EP 1264012 A1 20021211 (DE)**

Application

**EP 01919157 A 20010302**

Priority

- DE 0100789 W 20010302
- DE 10010485 A 20000303

Abstract (en)

[origin: WO0164977A1] The invention relates to a method for producing crystals and/or crystal materials. According to said method, unwanted impurities are removed from the crystal and/or the material by means of a purification agent or a getter. Substances containing elementary fluorine and/or reactive fluorine are used as the purification agent or getter. Preferred getters are XeF<sub>2</sub> and/or carbon fluoride. Crystals obtained in this way are suitable for use as optical components.

IPC 1-7

**C30B 29/12**; C30B 11/00; C30B 33/02; G02B 1/02; C01F 11/22

IPC 8 full level

**C30B 29/12** (2006.01); **C30B 33/00** (2006.01); **C30B 33/02** (2006.01); **G02B 1/02** (2006.01)

CPC (source: EP US)

**C30B 29/12** (2013.01 - EP US); **C30B 33/00** (2013.01 - EP US); **Y10T 117/10** (2015.01 - EP US)

Citation (search report)

See references of WO 0164977A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1130136 A1 20010905**; **EP 1130136 B1 20021023**; AT E226651 T1 20021115; AU 4636401 A 20010912; DE 10010485 A1 20010913; DE 10010485 C2 20021002; DE 50100043 D1 20021128; EP 1264012 A1 20021211; JP 2001354494 A 20011225; JP 2003525197 A 20030826; US 2001025598 A1 20011004; US 2003089306 A1 20030515; US 6364946 B2 20020402; WO 0164977 A1 20010907

DOCDB simple family (application)

**EP 01105178 A 20010302**; AT 01105178 T 20010302; AU 4636401 A 20010302; DE 0100789 W 20010302; DE 10010485 A 20000303; DE 50100043 T 20010302; EP 01919157 A 20010302; JP 2001109220 A 20010305; JP 2001563659 A 20010302; US 22011402 A 20021021; US 79863101 A 20010302