

Title (en)

PROCESS FOR THE GROWTH OF A CRYSTALLINE SOLID, ASSOCIATED CRYSTALLINE SOLID AND DEVICE

Title (de)

VERFAHREN ZUR ZÜCHTUNG EINES FESTKRISTALLES, ZUGEHÖRIGER FESTKRISTALL UND VORRICHTUNG

Title (fr)

PROCEDE DE CROISSANCE D'UN SOLIDE CRISTALLIN, SOLIDE CRISTALLIN ET DISPOSITIF ASSOCIES

Publication

EP 2714968 A1 20140409 (FR)

Application

EP 12731036 A 20120522

Priority

- FR 1154529 A 20110524
- FR 2012051136 W 20120522

Abstract (en)

[origin: WO2012160306A1] The present invention relates to a process for the growth of a crystalline solid by melting then cooling a crystallization material (2), in which the crystallization material (2) spread over a support is melted in the operating region (4) of a heat source. According to this process: outside of the operating region, the crystallization material (2) is spread over at least two areas of different compositions (31, 32, 33, 34, 35), and the crystallization material (2) being spread over a length greater than the length of the operating region (4), a movement of the operating region (4) relative to the crystallization material (2) is carried out so as to place successively in the operating region (4) then outside of the operating region, portions of the crystallization material of different compositions. This process is used to manufacture laser crystals having a controlled spatial distribution of doping.

IPC 8 full level

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Citation (search report)

See references of WO 2012160306A1

Citation (examination)

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