

Title (en)

TREATMENT OF CRYSTALS IN ORDER TO AVOID LIGHT-INDUCED MODIFICATIONS OF THE REFRACTION INDEX

Title (de)

BEHANDLUNG VON KRISTALLEN ZUR VERMEIDUNG LICHTINDUZIERTER N DERUNGEN DES BRECHUNGSINDEX

Title (fr)

TRAITEMENT DE CRISTAUX VISANT A EMPECHER DES VARIATIONS PHOTO-INDUITES DE L'INDICE DE REFRACTION

Publication

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Application

EP 04786888 A 20040930

Priority

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Abstract (en)

[origin: WO2005068690A1] The invention relates to a method for the treatment of a crystal, in particular a lithium niobate crystal or lithium tantalate crystal, having nonlinear optical properties. The crystal comprises foreign atoms which bring about specific absorption of radiated light. The foreign atoms are transformed into a lower valent state by means of oxidation. Electrons, which are released during oxidation, are discharged from the crystal with the aid of an external power source.

IPC 8 full level

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