

Title (en)

METHOD AND DEVICE FOR GENERATING LASER PULSES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERZEUGEN VON LASERPULSEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE GÉNÉRATION D'IMPULSIONS LASER

Publication

**EP 3954005 A1 20220216 (DE)**

Application

**EP 20710870 A 20200306**

Priority

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- EP 2020055996 W 20200306

Abstract (en)

[origin: WO2020207676A1] The invention relates to a method for generating laser pulses (3a, 3b) by changing the quality of a resonator (4), having the step of: generating laser pulses (3a, 3b) by actuating an optical modulator (10) using a control signal (S) in order to switch over between a first operating state (B1) of the optical modulator (10) for generating a first quality of the resonator (4) and a second operating state (B2) of the optical modulator (10) for generating a second quality of the resonator (4). In order to generate a sequence (2) of laser pulses (3a, 3b) in which first laser pulses (3a) alternate with second laser pulses (3b) differing from the first laser pulses, the optical modulator (10) is actuated in a respectively alternating manner by the control signal (S) in order to generate a respective first laser pulse (3a) and a respective second laser pulse (3b). The invention also relates to a corresponding device (1) for generating laser pulses (3a, 3b).

IPC 8 full level

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CPC (source: EP KR US)

**H01S 3/0085** (2013.01 - KR US); **H01S 3/0604** (2013.01 - KR); **H01S 3/08054** (2013.01 - KR); **H01S 3/08059** (2013.01 - KR); **H01S 3/0813** (2013.01 - KR US); **H01S 3/09** (2013.01 - KR); **H01S 3/10038** (2013.01 - EP KR); **H01S 3/10046** (2013.01 - KR); **H01S 3/1075** (2013.01 - EP KR); **H01S 3/1103** (2013.01 - EP KR US); **H01S 3/115** (2013.01 - KR); **H01S 3/136** (2013.01 - EP KR); **H01S 3/0085** (2013.01 - EP); **H01S 3/0604** (2013.01 - EP); **H01S 3/08054** (2013.01 - EP); **H01S 3/08059** (2013.01 - EP); **H01S 3/0813** (2013.01 - EP); **H01S 3/10046** (2013.01 - EP); **H01S 3/109** (2013.01 - EP); **H01S 3/115** (2013.01 - EP); **H01S 2301/02** (2013.01 - EP KR)

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See references of WO 2020207676A1

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