Title (en)
PULSE GENERATOR AND METHOD FOR GENERATING PULSES

Title (de)
IMPULSGENERATOR UND VERFAHREN ZUR IMPULSERZEUGUNG

Title (fr)
GÉNÉRATEUR D'IMPULSIONS ET PROCÉDÉ DE GÉNÉRATION D'IMPULSIONS

Publication
EP 4264831 A1 20231025 (EN)

Application
EP 21834959 A 20211220

Priority
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Abstract (en)
[origin: WO2022131924A1] A method of generating pulses for controlling an optical device is described comprising: receiving a clock signal and one or more logical pulse selection signals (314), wherein the timing quality of the clock signal, preferably the timing jitter of the clock signal, is higher than the timing quality of the pulse selection signal, preferably the timing jitter of the pulse selection signal; generating one or more control pulses (312) based on the one or more logical pulse selection signals and the clock signal, the generating including: constructing, depending on the logical value of a first logical pulse selection signal (314), a first base pulse (Q, 318), the first base pulse including a rising edge that has the timing quality of the clock signal; constructing a second base pulse based on the first base pulse, the second base pulse having a falling edge that has the timing quality of the clock signal; and, constructing a first control pulse based on the first base pulse and the second base pulse, wherein the timing quality of the rising edge and the falling edge have the timing quality of the clock signal.

IPC 8 full level
H03K 3/033 (2006.01); **H03K 5/00** (2006.01); **H03K 5/05** (2006.01); **H03K 5/06** (2006.01); **H04L 9/08** (2006.01)

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