

Title (en)

PULSED OPTICAL TRANSMITTER WITH IMPROVED PULSE SHAPE AND REDUCED FREQUENCY CHIRP

Title (de)

GEPULSTER OPTISCHER SENDER MIT VERBESSERTER PULSFORM UND REDUZIERTEM FREQUENZCHIRP

Title (fr)

ÉMETTEUR OPTIQUE PULSÉ À FORME D'IMPULSION AMÉLIORÉE ET À FLUCTUATION DE LONGUEUR D'ONDE DE FRÉQUENCE RÉDUITE

Publication

EP 3912235 A4 20221019 (EN)

Application

EP 20740958 A 20200116

Priority

- US 201962793069 P 20190116
- US 2020013967 W 20200116

Abstract (en)

[origin: WO2020150537A1] Designs of optical transmitters that generate laser pulses with improved optical waveform shape in generated laser pulses and provide compensation for the optical chirp of the optical transmitters. Such pulsed optical transmitters can be used in various applications, including light detection and ranging systems (LiDAR) and other optical sensing systems such as optical time-domain reflectometer (OTDR) systems, and optical communication systems.

IPC 8 full level

G01S 7/484 (2006.01); **H01S 3/11** (2006.01); **H01S 3/23** (2006.01); **H01S 5/042** (2006.01); **H01S 5/062** (2006.01)

CPC (source: EP KR)

G01S 7/484 (2013.01 - EP KR); **H01S 3/11** (2013.01 - KR); **H01S 3/2383** (2013.01 - KR); **H01S 5/0428** (2013.01 - EP); **H01S 5/06216** (2013.01 - EP)

Citation (search report)

- [X1] US 2014300952 A1 20141009 - GUSEV YURI P [SE], et al
- [A] US 2014185643 A1 20140703 - MCCOMB TIMOTHY S [US], et al
- See references of WO 2020150537A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2020150537 A1 20200723; CN 113632328 A 20211109; EP 3912235 A1 20211124; EP 3912235 A4 20221019; JP 2022518434 A 20220315; KR 20210126604 A 20211020

DOCDB simple family (application)

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