

Title (en)

PULSED LIDAR WITH SEMICONDUCTOR OPTICAL AMPLIFIER CONTROLLED BY A MODULATED SIGNAL

Title (de)

GEPULSTES LIDAR MIT EINEM DURCH EIN MODULIERTES SIGNAL GESTEUERTEN OPTISCHEN HALBLEITERVERSTÄRKER

Title (fr)

LIDAR IMPULSIONNEL À AMPLIFICATEUR OPTIQUE À SEMI-CONDUCTEUR PILOTÉ PAR UN SIGNAL MODULÉ

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Application

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Abstract (en)

[origin: CA3223737A1] The invention relates to pulsed LiDAR comprising a master laser able to emit a master laser beam, a pulse generator arranged to generate a pump signal comprising at least one pulse, a peak value of which varies during said at least one pulse of said pump signal, and a semiconductor optical amplifier (SOA) arranged to amplify and modulate the master laser beam on the basis of the pump signal, with the amplified and modulated laser beam forming a measurement laser beam.

IPC 8 full level

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