

Title (en)
TRANSMITTER OPTICS FOR A LIDAR SYSTEM, OPTICAL ARRANGEMENT FOR A LIDAR SYSTEM, LIDAR SYSTEM AND WORKING DEVICE

Title (de)
SENDEROPTIK FÜR EIN LIDAR-SYSTEM, OPTISCHE ANORDNUNG FÜR EIN LIDAR-SYSTEM, LIDAR-SYSTEM UND ARBEITSVORRICHTUNG

Title (fr)
OPTIQUE D'EMETTEUR CONÇU POUR UN SYSTÈME LIDAR, SYSTÈME OPTIQUE POUR UN SYSTÈME LIDAR, SYSTÈME LIDAR ET DISPOSITIF DE TRAVAIL

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Application
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Abstract (en)
[origin: WO2018206517A1] The present invention relates to transmitter optics (60) for a LiDAR system (1) for illuminating a field of view (50) with light, comprising a line light source (65-1) for generating and emitting primary light (57) in line form, and comprising deflection optics (62), which have a lens arrangement (68) in an intermediate image plane (69) of the deflection optics (62) for outputting received primary light (52) into the field of view (50) and a deflection mirror (64), which can pivot one-dimensionally about an axis (64-1), for collecting primary light (57) from the line light source (65-1) and for directing the primary light (57) onto the lens arrangement (68) and, in doing so, imaging the light line source (65-1) onto the lens arrangement (68) such that the image of the light line source (65-1) sweeps over the lens arrangement (68) or part thereof when the deflection mirror (63) pivots.

IPC 8 full level
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Citation (search report)
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