

Title (en)
LIGHTING SYSTEM FOR A MOTOR VEHICLE

Title (de)
BELEUCHTUNGSSYSTEM FÜR EIN KRAFTFAHRZEUG

Title (fr)
SYSTÈME D'ÉCLAIRAGE POUR UN VÉHICULE AUTOMOBILE

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Abstract (en)
[origin: WO2020126298A1] The invention relates to a lighting system (10) for a motor vehicle, which lighting system (10) comprises the following: - a first and a second laser scanner (100, 200) having a first and a second micro scanner (120, 220), and - a control device (400), which is configured to actuate the first and the second micro scanner (120, 220), wherein: the oscillation behaviour of the first and the second micro scanner (120, 220) can be controlled at least by way of the parameters of oscillation amplitude AMP, light centre displacement LSVP, and offset value OFFSET, which can be varied by the control device (400); the control device (400) is configured to receive an input variable DOA which changes over time and represents a target beam angle of the total light distribution (300) and specifies the parameters of oscillation amplitude AMP, light centre displacement LSVP, and offset value OFFSET of the first and the second micro scanner (120, 220) depending on the test result of a criterion of the input variable DOA, specifically $DOA \leq (MEMS_{max} - ALPHA)$, wherein the parameters of the first micro scanner (120) are specified on fulfilment of the criterion.

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