

Title (en)

METHOD FOR CONTROLLING A LASER ILLUMINATION DEVICE FOR A MOTOR VEHICLE HEADLIGHT

Title (de)

VERFAHREN ZUM ANSTEUERN EINER LASERBELEUCHTUNGSVORRICHTUNG FÜR EINEN FAHRZEUGSCHEINWERFER

Title (fr)

PROCÉDÉ DE COMMANDE D'UN DISPOSITIF D'ÉCLAIRAGE LASER POUR PROJECTEUR DE VÉHICULE

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Application

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Abstract (en)

[origin: WO2017020055A1] The invention relates to a method for controlling a laser illumination device for a motor vehicle headlight, wherein the laser illumination device comprises two or more adjustable laser light sources (11 to 18), wherein the number of laser light sources is designated as N, and each laser light source generates a laser beam (11p to 18p) and at least one optical attachment (21 to 28) is arranged downstream of each laser light source and at least one microscanner (51, 52) is assigned, and each microscanner is arranged to guide two or more laser beams onto at least one light conversion means (60), wherein on the at least one light conversion means a luminous image is produced, and an imaging system (PS) is associated with the at least one light conversion means in order to project the luminous image as a light image onto the road, wherein the method includes the following steps: dividing at least a part of the luminous image into luminous strips, wherein the number of luminous strips is designated as n, determining the required luminous flux for each luminous strip, calculating a required width value for each luminous strip with regard to the required luminous flux, and using the calculated width values to change the width of the luminous strip in the light image by changing the luminous strip width on the light conversion means.

IPC 8 full level

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