

Title (en)

METHOD FOR CONTROLLING MODULES FOR PROJECTING PIXELATED LIGHT BEAMS FOR A VEHICLE

Title (de)

VERFAHREN ZUR STEUERUNG VON MODULEN ZUR PROJEKTION VON PIXELIERTEN LICHTSTRAHLEN FÜR EIN FAHRZEUG

Title (fr)

PROCÉDÉ DE PILOTAGE DE MODULES DE PROJECTION DE FAISCEAUX DE LUMIERE PIXELLISE POUR VEHICULE

Publication

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Application

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Priority

- FR 1859087 A 20181001
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Abstract (en)

[origin: WO2020070078A1] Method for controlling (130) modules for projecting pixelated light beams (140, 141, 143) of a host vehicle (100), the host vehicle (100) comprising - a step (202) of determining, using a control device (130) and according to the collected data, a polynomial function which models the profile of the edge (161, 163) and the centre (162) of the road (160), such that - the road profile is modelled based on a polynomial function, the degree of which depends on the curvature of the road, - a step (203) of determining, by means of the control device (130), a starting point (Pd) and an arrival point (Pa) of an area for projection (ZPd, ZPg, ZP) of patterns (170); - a step (204) of determining, by means of the control device (130), a distance (De) between an axis (Ac) of a data/image acquisition means (121) and the patterns (170), respectively for a right projection area ZPd and a left projection area ZPg; - a step 205 of determining, by means of the control device (130), the width (Lm) of the pattern (170).

IPC 8 full level

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