Title (en)
METHOD FOR CONTROLLING A MOTOR VEHICLE LIGHTING SYSTEM

Title (de)
VERFAHREN ZUR STEUERUNG DES BELEUCHTUNGSSYSTEMS EINES KRAFTFAHRZEUGS

Title (fr)
PROCÉDÉ DE COMMANDE D'UN SYSTÈME D'ÉCLAIRAGE D'UN VÉHICULE AUTOMOBILE

Publication
EP 4077046 A1 20221026 (FR)

Application
EP 20816266 A 20201204

Priority
• FR 1914490 A 20191216
• EP 2020084762 W 20201204

Abstract (en)
[origin: WO2021122071A1] Disclosed is a method for controlling a lighting system (3) of a host motor vehicle (1) comprising a plurality of selectively controllable elementary light sources (32ij) each able to emit an elementary light beam (HDij), the vertical angular opening of which is less than 1°, the method comprising the following steps: (E1) Detection of a target object (5) by a sensor system (2); (E2) Determination of a vertical angle (a) between a given point (21) of the sensor system of the host vehicle and a detected point (51) of the target object; (E5) Determination, from the vertical angle, of a lower angle (Vinf) and an upper angle (Vsup) between a given point (31) of the lighting system and, respectively, an upper cut-off and a lower cut-off intended to together vertically border the target object; (E6) Control of the elementary light sources (32ij) to emit a pixelated road light beam (HD), some of the elementary light sources being controlled, as a function of the lower and upper angles, to generate, in the light beam, a dark area (Zc) extending substantially between the upper and lower cut-offs.

IPC 8 full level
B60Q 1/14 (2006.01); F21W 102/145 (2018.01); F21W 102/155 (2018.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2021122071A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
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