

Title (en)

LIGHTING DEVICE FOR A MOTOR VEHICLE

Title (de)

BELEUCHTUNGSVORRICHTUNG FÜR EIN KRAFTFAHRZEUG

Title (fr)

DISPOSITIF D'ÉCLAIRAGE POUR UN VÉHICULE AUTOMOBILE

Publication

EP 3378281 B1 20190626 (DE)

Application

EP 16790614 A 20161103

Priority

- DE 102015222504 A 20151116
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Abstract (en)

[origin: WO2017084881A1] The invention relates to a lighting device for a motor vehicle, comprising at least one processing module (1) and an internal data bus (2) and a plurality of LED units (3). The internal data bus (2) is an SPI bus or a differential data bus; a differential data bus encodes digital data on the basis of a voltage difference between two lines. Each processing module (1) has a number of LED units (3) from among the plurality of LED units (3), and each processing module (1) is coupled to its LED units (3) via the internal data bus (2). The LED units (3) each comprise at least one LED (301, 302, 303) and an integrated circuit (4) and are connected to a current supply (5) for the at least one LED (301, 302, 303). Each processing module (1) is set up so as to be coupled to a motor vehicle data bus (6) in order to receive first digital control commands from the motor vehicle data bus (6) for the operation of the lighting device, and to transmit them as second digital control commands to the internal data bus (2). The LED units (3) are set up so as to provide their LEDs (3) with current from the power supply (5) based on the second digital control commands on the internal data bus (2), by means of the integrated circuits (4).

IPC 8 full level

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CPC (source: EP US)

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Citation (opposition)

Opponent : Stefan M. Zech

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