

Title (en)  
METHOD AND DEVICE FOR AUTOMATICALLY DETECTING THE CONFIGURATION OF LAMP ELEMENTS CONNECTED IN SERIES

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM AUTOMATISCHEN ERFASSEN DER KONFIGURATION VON HINTEREINANDER GESCHALTENEN LEUCHELEMENTEN

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE DÉTECTION AUTOMATIQUE DE LA CONFIGURATION D'ÉLÉMENTS D'ÉCLAIRAGE MONTÉS EN SÉRIE

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Abstract (en)  
[origin: WO2017148811A1] The invention relates to a method and a device for automatically detecting the total number and the operating status of lamp modules provided with lamp elements and arranged in a strand of individually controllable lamp modules arranged in series. In the method, lamp modules (10, 12) are successively applied with a number  $N_{max} \geq N$  of different test patterns, an electrical measurement variable is measured at the circuit in response to each test pattern, and the measurement results of each test pattern is evaluated and the total number N of lamp modules and their respective operating status is determined therefrom. The invention also relates to a method for operating an illumination device of a vehicle treatment system, and a vehicle treatment system.

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