

Title (en)

DEVICE FOR CHECKING THE CORRECT WORKING OF AN INCANDESCENT LAMP

Publication

EP 0434859 B1 19930707 (DE)

Application

EP 89123950 A 19891227

Priority

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Abstract (en)

[origin: EP0434859A1] The invention relates to a device for monitoring the serviceability of an incandescent lamp (1) connected to a power source (2) by means of leads (3,4), it being possible to check the continuity of the circuit at low power in the switched-off state, without any visible effect on the incandescent lamp (1), and/or by confirming an energy flow in the switched-on state. In order to be able to differentiate between circuit continuity resulting from a short-circuit or shunt circuit and the continuity of the circuit when the incandescent lamp is operated during such a test, and to exclude the possibility of a positive test result despite a defective incandescent lamp, the ratio of the resistance of the arrangement when the incandescent lamp (1) is in the switched-off state to the resistance of the arrangement when the incandescent lamp (1) is in the switched-on state is determined and is compared with the ratio of the cold-hot resistance which is applicable to the respective incandescent lamp (1) to be monitored, taking into account the lead conditions, to output a report for the monitoring result. <IMAGE>

IPC 1-7

H05B 37/03

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102005032637A1; DE10256894A1; DE102007003575B4; DE102007003575A1; DE10332515A1; DE4233664A1; US7528553B2; US6963170B2; WO9408438A1; US7129856B2; WO03017728A1

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