Title (en)

CIRCUIT ARRANGEMENT FOR AN LED LIGHT SOURCE

Title (de)

SCHALTUNGSANORDNUNG FÜR EINE LED-LICHTQUELLE

Title (fr)

CIRCUIT POUR SOURCE LUMINEUSE LED

Publication

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Application

EP 10788000 A 20101115

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Abstract (en)

[origin: WO2011057813A1] The invention relates to a light-emitting diode module comprising a circuit arrangement for controlling an LED light source that is suited for use in the aviation sector in particular. A light-emitting diode module according to the invention comprises a housing (31, 41) and at least one printed circuit board (10a, 10b), which is connected to at least one light-emitting diode (D11) and which has an LED driver (U4), a control module (U5), and a circuit arrangement (S1). The circuit arrangement (S1) comprises a DC/DC converter (U1) and a bypass (11) connected in parallel to the DC/DC converter (U1), said bypass being activatable by means of a comparator circuit (S4). The comparator circuit (S4) preferably lies between an input (X1.3) of the circuit arrangement (S1) and the DC/DC converter (U1) and is designed to detect the level of the input voltage of the circuit arrangement (S1), compare with a first and second threshold value, and activate the bypass when the first threshold value is not exceeded and deactivate the bypass when the second threshold value is exceeded.

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