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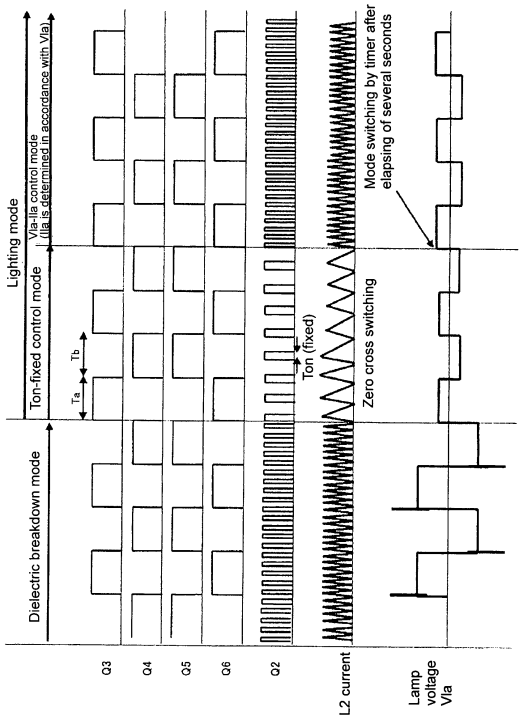
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(54) High pressure discharge lamp lighting device, illumination fixture and illumination system using thereof

(57) [Object] To provide a high pressure discharge lamp lighting device capable of reducing an excessive stress applied to the high-pressure discharge lamp and realizing a smooth lighting.

[Means for Settlement] A high pressure discharge lamp lighting device includes a power conversion circuit which converts a voltage into power required for a high-pressure discharge lamp DL connected as a load and realizes a stable lighting of the high-pressure discharge lamp DL by receiving an output voltage Vdc from a DC power source as an input and including at least an inductor L2, a diode D2 and a switching element Q2, and a control circuit 3 for controlling the power conversion circuit, wherein, for a predetermined period immediately after dielectric breakdown in the high-pressure discharge lamp DL, a lamp current is controlled by fixing a switching-on time brought by the switching element Q2 in the power conversion circuit to a predetermined on time Ton.

Fig. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 10 00 5221

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS

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